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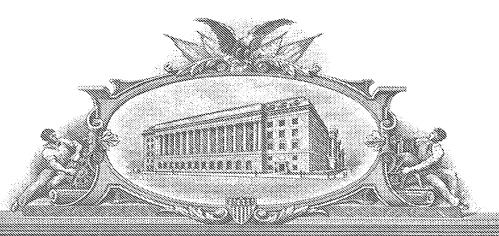
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Pharmaceutical Co-Crystal Compositions

INCORPORATION BY REFERENCE

This application claims the benefit of US Provisional Patent Application No. 5 60/451,213 filed on February 28, 2003; U.S. Provisional Patent Application No. 60/463,962, filed on April 18, 2003; and U.S. Provisional Application No. 60/487,064, filed on July 11, 2003 each of which incorporated herein by reference in its entirety. This application is also a continuation-in-part of PCT US03/XXXXX, filed on September 4, 2003 which is a continuation-in-part of U.S. Patent Application No. 10 10/378,956, filed March 1, 2003, which claims the benefit of U.S. Provisional Application No. 60/360,768, filed March 1, 2002; said PCT US03/XXXXX also claims the benefit of US Provisional Patent Application No. 60/451,213 filed on February 28, 2003; U.S. Provisional Patent Application No. 60/463,962, filed on April 18, 2003; and U.S. Provisional Application No. 60/487,064, filed on July 11, 2003. This application is 15 also a continucation-in-part of U.S. Patent Application No. 10/637,829, filed August 8, 2003, which is a divisional of U.S. Patent Application No. 10/295,995, filed November 18, 2002, which is a continuation of U.S. Patent Application No.10/232,589, filed September 3, 2002, which claims the benefit of US Provisional Patent Application No. 60/406,974, filed August 30, 2002 and US Provisional Patent Application 20 No.60/380,288, filed May 15, 2002 and US Provisional Patent Application No. 60/356,764, filed February 15, 2002. This application is also a continuation-in-part of US Patent Application No. 10/449,307, filed May 30, 2003 which claims the benefit of US Provisional Patent Application No. 60/463,962 filed April 18, 2003 and US Provisional Patent Application No. 60/444,315, filed January 31, 2003 and US 25 Provisional Patent Application No. 60/439,282 filed January 10, 2003 and US Provisional Patent Application No. 60/384,152, filed May 31, 2002. This application is also a continuation-in-part of US Patent Application No. 10/601,092, filed June 20, 2003, which claims the benefit of US Provisional Patent Application No. 60/451,213, filed February 28, 2003. Each of these applications is hereby incorporated by reference 30 in their entireties, including all figures, tables and formulae.

FIELD OF THE INVENTION

The present invention relates to co-crystal API-containing compositions, pharmaceutical compositions comprising such APIs, and methods for preparing the same.

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BACKGROUND OF THE INVENTION

Active pharmaceutical ingredients (API or APIs (plural)) in pharmaceutical compositions can be prepared in a variety of different forms. Such APIs can be prepared so as to have a variety of different chemical forms including chemical derivatives or salts. Such APIs can also be prepared to have different physical forms. For example, the APIs may be amorphous, may have different crystalline polymorphs, or may exist in different solvation or hydration states. By varying the form of an API, it is possible to vary the physical properties thereof. For example, crystalline polymorphs typically have different solubilities from one another, such that a more thermodynamically stable polymorph is less soluble than a less thermodynamically stable polymorph. Pharmaceutical polymorphs can also differ in properties such as shelf-life, bioavailability, morphology, vapour pressure, density, colour, and compressibility. Accordingly, variation of the crystalline state of an API is one of many ways in which to modulate the physical properties thereof.

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It would be advantageous to have new forms of these APIs that have improved properties, in particular, as oral formulations. Specifically, it is desirable to identify improved forms of APIs that exhibit significantly improved properties including increased aqueous solubility and stability. Further, it is desirable to improve the processability, or preparation of pharmaceutical formulations. For example, needle-like crystal forms or habits of APIs can cause aggregation, even in compositions where the API is mixed with other substances, such that a non-uniform mixture is obtained. It is also desirable to increase the dissolution rate of API-containing pharmaceutical compositions in water, increase the bioavailability of orally-administered compositions, and provide a more rapid onset to therapeutic effect. It is also desirable to have a form of the API which, when administered to a subject, reaches a peak plasma level faster, has a longer lasting therapeutic plasma concentration, and higher overall exposure when compared to equivalent amounts of the API in its presently-known form.

SUMMARY OF THE INVENTION

It has now been found that new co-crystalline forms of APIs can be obtained which improve the properties of APIs as compared to such APIs in a non-co-crystalline state (free acid, free base, zwitter ions, salts, etc.).

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Accordingly, in a first aspect, the present invention provides a co-crystal pharmaceutical composition comprising an API compound and a co-crystal former, such that the API and co-crystal former are capable of co-crystallizing from a solid or solution phase under crystallization conditions.

Another aspect of the present invention provides a process for the production of a pharmaceutical composition, which process comprises:

- (1) providing an API which has at least one functional group selected from ether, thioether, alcohol, thiol, aldehyde, ketone, thioketone, nitrate ester, phosphate ester, thiophosphate ester, ester, thioester, sulfate ester, carboxylic acid, phosphonic acid, phosphinic acid, sulfonic acid, amide, primary amine, secondary amine, ammonia, tertiary amine, sp2 amine, thiocyanate, cyanamide, oxime, nitrile, diazo, organohalide, nitro, s-heterocyclic ring, thiophene, n-heterocyclic ring, pyrrole, o-heterocyclic ring, furan, epoxide, peroxide, hydroxamic acid, imidazole, and pyridine;
- (2) providing a co-crystal former which has at least one functional group selected from ether, thioether, alcohol, thiol, aldehyde, ketone, thioketone, nitrate ester, phosphate ester, thiophosphate ester, ester, thioester, sulfate ester, carboxylic acid, phosphonic acid, phosphinic acid, sulfonic acid, amide, primary amine, secondary amine, ammonia, tertiary amine, sp2 amine, thiocyanate, cyanamide, oxime, nitrile, diazo, organohalide, nitro, s-heterocyclic ring, thiophene, n-heterocyclic ring, pyrrole, o-heterocyclic ring, furan, epoxide, peroxide, hydroxamic acid, imidazole, and pyridine;
- (3) grinding, heating or contacting in solution the API with the co-crystal former under crystallization conditions;
 - (4) isolating co-crystals formed thereby; and
 - (5) incorporating the co-crystals into a pharmaceutical composition.
- A further aspect of the present invention provides a process for the production of a pharmaceutical composition, which comprises:
 - (1) grinding, heating or contacting in solution an API compound with a cocrystal former, under crystallization conditions, so as to form a solid phase;
 - (2) isolating co-crystals comprising the API and the co-crystal former; and

(3) incorporating the co-crystals into a pharmaceutical composition.

In a further aspect, the present invention provides a process for the production of a pharmaceutical composition, which comprises:

- (1) providing (i) an API or a plurality of different APIs, and (ii) a co-crystal former or a plurality of different co-crystal formers, wherein at least one of the APIs and the co-crystal formers is provided as a plurality thereof;
 - (2) isolating co-crystals comprising the API and the co-crystal former; and
 - (3) incorporating the co-crystals into a pharmaceutical composition.

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Solubility Modulation

In a further aspect, the present invention provides a process for modulating the solubility of an API, which process comprises:

- 15 (1) grinding, heating or contacting in solution the API with a co-crystal former under crystallization conditions, so as to form a co-crystal of the API and the co-crystal former; and
 - (2) isolating co-crystals comprising the API and the co-crystal former.

20 <u>Dissolution Modulation</u>

In a further aspect, the present invention provides a process for modulating the dissolution of an API, whereby the aqueous dissolution rate or the dissolution rate in simulated gastric fluid or in simulated intestinal fluid, or in a solvent or plurality of solvents is increased or decreased, which process comprises:

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- (1) grinding, heating or contacting in solution the API with a co-crystal former under crystallization conditions, so as to form a co-crystal of the API and the co-crystal former; and
 - (2) isolating co-crystals comprising the API and the co-crystal former. In one embodiment, the dissolution of the API is increased.

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Bioavailability Modulation

In a further aspect, the present invention provides a process for modulating the bioavailability of an API, whereby the AUC is increased, the time to T_{max} is reduced, the

length of time the concentration of the API is above $\frac{1}{2}$ T_{max} is increased, or C_{max} is increased, which process comprises:

- (1) grinding, heating or contacting in solution the API with a co-crystal former under crystallization conditions, so as to form a co-crystal of the API and the co-crystal former; and
 - (2) isolating co-crystals comprising the API and the co-crystal former.

Dose Response Modulation

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In a further aspect the present invention provides a process for improving the linearity of a dose response of an API, which process comprises:

- (1) grinding, heating, or contacting in solution an API with a co-crystal former under crystallization conditions, so as to form a co-crystal of the API and the co-crystal former; and
 - (2) isolating co-crystals comprising the API and the co-crystal former.

Increased Stability

In a still further aspect the present invention provides a process for improving the stability of a pharmaceutical salt, which process comprises:

- (1) grinding, heating or contacting in solution the pharmaceutical salt with a co-crystal former under crystallization conditions, so as to form a co-crystal of the API and the co-crystal former; and
 - (2) isolating co-crystals comprising the API and the co-crystal former.

Difficult to Salt or Unsaltable Compounds

- In a still further aspect the present invention provides a process for making co-crystals of difficult to salt or unsaltable APIs, which process comprises:
- (1) grinding, heating or contacting in solution the API with a co-crystal former under crystallization conditions, so as to form a co-crystal of the API and the co-crystal former; and
- (2) isolating co-crystals comprising the API and the co-crystal former.

Decreasing Hygroscopicity

In a still further aspect the present invention provides a method for decreasing the hygroscopicity of an API, which method comprises:

- (1) grinding, heating or contacting in solution the API with a co-crystal former under crystallization conditions, so as to form a co-crystal of the API and the co-crystal former; and
 - (2) isolating co-crystals comprising the API and the co-crystal former.

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Crystallizing Amorphous Compounds

In a still further embodiment aspect the present invention provides a process for crystallizing an amorphous compound, which process comprises:

- grinding, heating or contacting in solution the API with a co-crystal
 former under crystallization conditions, so as to form a co-crystal of the API and the co-crystal former; and
 - (2) isolating co-crystals comprising the API and the co-crystal former.

Decreasing Form Diversity

- In a still further embodiment aspect the present invention provides a process for reducing the form diversity of an API, which process comprises:
 - (1) grinding, heating or contacting in solution the API with a co-crystal former under crystallization conditions, so as to form a co-crystal of the API and the co-crystal former; and
 - (2) isolating co-crystals comprising the API and the co-crystal former.

Morphology Modulation

In a still further embodiment aspect the present invention provides a process for modifying the morphology of an API, which process comprises:

- (1) grinding, heating or contacting in solution the API with a co-crystal former under crystallization conditions, so as to form a co-crystal of the API and the co-crystal former; and
 - (2) isolating co-crystals comprising the API and the co-crystal former.
- In a further aspect, the present invention provides a co-crystal composition comprising a co-crystal, wherein said co-crystal comprises an API compound and a co-crystal former. In further embodiments the co-crystal has an improved property as compared to the free form (including a free acid, free base, zwitter ion, hydrate, solvate, etc.) or a salt (which includes salt hydrates and solvates). In further embodiments, the improved property is

selected from the group consisting of: increased solubility, increased dissolution, increased bioavailability, increased dose response, decreased hygroscopicity, a crystalline form of a normally amorphous compound, a crystalline form of a difficult to salt or unsaltable compound, decreased form diversity, more desired morphology, or other property described herein.

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BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1 PXRD pattern for a co-crystal of carbamazepine and saccharin (Form I). 10 Fig. 2 DSC thermogram for a co-crystal of carbamazepine and saccharin (Form I). Fig. 3 PXRD pattern for a co-crystal of carbamazepine and nicotinamide (Form I). Fig. 4 DSC thermogram for a co-crystal of carbamazepine and nicotinamide 15 (Form I). Fig. 5 PXRD pattern for a co-crystal of carbamazepine and trimesic acid (Form I). Fig. 6 PXRD pattern for a co-crystal of topiramate and 18-crown-6. Fig. 7 DSC thermogram for a co-crystal of topiramate and 18-crown-6. 20 Fig. 8 PXRD pattern for a co-crystal of olanzapine and nicotinamide (Form I). Fig. 9 DSC thermogram for a co-crystal of olanzapine and nicotinamide (Form I). Fig. 10 PXRD pattern for a co-crystal of celecoxib and 18-crown-6. Fig. 11 DSC thermogram for a co-crystal of celecoxib and 18-crown-6. 25 Fig. 12 PXRD pattern for a co-crystal of itraconazole and succinic acid. Fig. 13 DSC thermogram for a co-crystal of itraconazole and succinic acid. Fig. 14 PXRD pattern for a co-crystal of itraconazole and fumaric acid. Fig. 15 DSC thermogram for a co-crystal of itraconazole and fumaric acid. Fig. 16 PXRD pattern for a co-crystal of itraconazole and tartaric acid 30 Fig. 17 DSC thermogram for a co-crystal of itraconazole and tartaric acid. Fig. 18 PXRD pattern for a co-crystal of itraconazole and malic acid. Fig. 19 DSC thermogram for a co-crystal of itraconazole and malic acid. Fig. 20 PXRD pattern for a co-crystal of itraconazoleHCl and tartaric acid.

Fig. 21 DSC thermogram for a co-crystal of itraconazoleHCl and tartaric acid.

- Fig. 22 PXRD pattern for a co-crystal of modafinil and malonic acid.
- Fig. 23 PXRD pattern for a co-crystal of modafinil and benzamide.
- Fig. 24 PXRD pattern for a co-crystal of modafinil and mandelic acid.
- Fig. 25 PXRD pattern for a co-crystal of modafinil and glycolic acid.
- Fig. 26 PXRD pattern for a co-crystal of modafinil and fumaric acid.
- Fig. 27 Dissolution profile for a co-crystal of celecoxib:nicotinamide vs. celecoxib free acid.

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- Fig. 28 Dissolution profile for co-crystals of itraconazole:succinic acid, itraconazle:tartaric acid and itraconazole:malic acid vs. itraconazole free base.
- Fig. 29 Hygroscopicity profile for a co-crystal of celecoxib:nicotinamide vs. celecoxib sodium.
 - Fig. 30 PXRD pattern for a co-crystal of olanzapine and nicotinamide (Form II).
 - Fig. 31 PXRD pattern for a co-crystal of olanzapine and nicotinamide (Form III).
- Fig. 32A-D Packing diagrams and crystal structure of olanzapine and nicotinamide (Form III). Figure 32A depicts the molecular structure of the olanzapine-nicotinamide-H₂O-IPOAc crystal. In Figure 32C, the olanzapine molecules occupy the spaces shown and are hydrogen bonded to the water molecules. The arrangement of the olanzapine molecules is similar to that observed from the methanol solvate and the published structures for the hydrates; the water molecules bridge the olanzapine moieties resulting in hydrogen-bonded zigzag sheets (see Figure 32D).
 - Fig. 33 DSC thermogram for a co-crystal of 5-fluorouracil and urea.
 - Fig. 34 TGA thermogram for a co-crystal of 5-fluorouracil and urea.
 - Fig. 35 Raman spectrum for a co-crystal of 5-fluorouracil and urea.
 - Fig. 36 PXRD pattern for a co-crystal of 5-fluorouracil and urea.
 - Fig. 37 PXRD pattern for a co-crystal of hydrochlorothiazide and nicotinic acid.
 - Fig. 38 PXRD pattern for a co-crystal of hydrochlorothiazide and 18-crown-6.
 - Fig. 39 PXRD pattern for a co-crystal of hydrochlorothiazide and piperazine.
 - Fig. 40 DSC thermogram for a co-crystal of modafinil and malonic acid.
 - Fig. 41 TGA thermogram for a co-crystal of modafinil and malonic acid.
 - Fig. 42 Raman spectrum for a co-crystal of modafinil and malonic acid.
 - Fig. 43 PXRD pattern for a co-crystal of modafinil and maleic acid.
- Fig. 44A–B An acetaminophen 1-D polymeric chain and a co-crystal of acetaminophen and 4,4'-bipyridine, respectively.

- Fig. 45A-B Pure phenytoin and a co-crystal with phenytoin and pyridone, respectively.
- Fig. 46A-D Pure aspirin and the corresponding crystal structure are shown in Figures 46A and 46B, respectively. Figures 46C and 46D show the supramolecular entity containing the synthon and corresponding co-crystal of aspirin and 4,4'-bipyridine, respectively.

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- Fig. 47A-D Pure ibuprofen and the corresponding crystal structure are shown in Figures 7A and 7B, respectively. Figures 7C and 7D show the supramolecular entity containing the synthon and corresponding co-crystal of ibuprofen and 4,4'-bipyridine, respectively.
- Fig. 48A-D Pure flurbiprofen and the corresponding crystal structure are shown in Figures 48A and 48B, respectively. Figures 5C and 5D show the supramolecular synthon and corresponding co-crystal of flurbiprofen and 4,4'-bipyridine, respectively.
- Fig. 49A-B The supramolecular entity containing the synthon and the corresponding co-crystal structure of flurbiprofen and trans-1,2-bis(4-pyridyl)ethylene, respectively.
- Fig. 50A-B The crystal structure of pure carbamazepine and the co-crystal structure of carbamazepine and *p*-phthalaldehyde, respectively.
 - Fig. 51 The co-crystal structure of carbamazepine and nicotinamide (Form II).
 - Fig. 52 The co-crystal structure of carbamazepine and saccharin (Form II).
- Fig. 53A-C The chemical structures of ibuprofen, flurbiprofen, and aspirin, respectively.
- Fig. 54A-B The crystal structure of carbamazepine and the co-crystal structure of carbamazepine and 2,6-pyridinedicarboxylic acid, respectively.
- Fig. 55A-B The crystal structure of carbamazepine and the co-crystal structure of carbamazepine and 5-nitroisophthalic acid, respectively.
- Fig. 56A-B The crystal structure of carbamazepine and the co-crystal structure of carbamazepine and 1,3,5,7-adamantanetetracarboxylic acid, respectively.
- Fig. 57A-B The crystal structure of carbamazepine and the co-crystal structure of carbamazepine and benzoquinone, respectively.
- Fig. 58A-B The crystal structure of carbamazepine and the co-crystal structure of carbamazepine and trimesic acid (Form II), respectively.
 - Fig. 59 PXRD diffractogram for a co-crystal of celecoxib and nicotinamide.
 - Fig. 60 DSC thermogram for a co-crystal of celecoxib and nicotinamide.

- Fig. 61 TGA thermogram for a co-crystal of celecoxib and nicotinamide.
- Fig. 62 Raman spectrum for a co-crystal of celecoxib and nicotinamide.

Fig. 63 Hydrogen-bonding motifs observed in co-crystals.

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DETAILED DESCRIPTION OF THE INVENTION

The term "co-crystal" as used herein means a crystalline material comprised of two or more unique solids at room temperature, each containing distinctive physical characteristics, such as structure, melting point and heats of fusion, with the exception that, if specifically stated, the API may be a liquid at room temperature. The co-crystals of the present invention comprise a co-crystal former H-bonded to an API. The cocrystal former may be H-bonded directly to the API or may be H-bonded to an additional molecule which is bound to the API. The additional molecule may be Hbonded to the API or bound ionically or covalently to the API. The additional molecule could also be a different API. Solvates of API compounds that do not further comprise a co-crystal former are not co-crystals according to the present invention. The cocrystals may however, include one or more solvate molecules in the crystalline lattice. That is, solvates of co-crystals, or a co-crystal further comprising a solvent or compound that is a liquid at room temperature, is included in the present invention, but crystalline material comprised of only one solid and one or more liquids (at room temperature) are not included in the present invention, with the previously noted exception of specifically stated liquid APIs. The co-crystals may also be a co-crystal between a co-crystal former and a salt of an API, but the API and the co-crystal former of the present invention are constructed or bonded together through hydrogen bonds. Other modes of molecular recognition may also be present including, pi-stacking, guest-host complexation and van der Waals interactions. Of the interactions listed above, hydrogen-bonding is the dominant interaction in the formation of the co-crystal, (and a required interaction according to the present invention) whereby a non-covalent bond is formed between a hydrogen bond donor of one of the moieties and a hydrogen bond acceptor of the other. Hydrogen bonding can result in several different intermolecular configurations. For example, hydrogen bonds can result in the formation of dimers, linear chains, or cyclic structures. These configurations can further include extended (two-dimensional) hydrogen bond networks and isolated triads (Fig. 63). An alternative embodiment provides for a co-crystal wherein the co-crystal former is a second API. In another embodiment, the co-crystal former is not an API. In another embodiment the co-crystal

comprises two co-crystal formers. For purposes of the present invention, the chemical and physical properties of an API in the form of a co-crystal may be compared to a reference compound that is the same API in a different form. The reference compound may be specified as a free form, or more specifically, a free acid, free base, or zwitter ion; a salt, or more specifically for example, an inorganic base addition salt such as sodium, potassium, lithium, calcium, magnesium, ammonium, aluminum salts or organic base addition salts, or an inorganic acid addition salts such as HBr, HCl, sulfuric, nitric, or phosphoric acid addition salts or an organic acid addition salt such as acetic, proprionic, pyruvic, malanic, succinic, maleic, maleic, fumaric, tartaric, citric, benzoic, methanesulfonic, ethanesulforic, stearic or lactic acid addition salt; an anhydrate or hydrate of a free form or salt, or more specifically, for example, a hemihydrate, monohydrate, dihydrate, trihydrate, quadrahydrate, pentahydrate; or a solvate of a free form or salt. For example, the reference compound for an API in salt form co-crystallized with a co-crystal former can be the API salt form. Similarly, the reference compound for a free acid API co-crystallized with a co-crystal former can be the free acid API. The reference compound may also be specified as crystalline or amorphous.

According to the present invention, the co-crystals can include an acid addition salt or base addition salt of an API. Acid addition salts include, but are not limited to, inorganic acids such as hydrochloric acid, hydrobromic acid, sulfuric acid, nitric acid, and phosphoric acid, and organic acids such as acetic acid, propionic acid, hexanoic acid, heptanoic acid, cyclopentanepropionic acid, glycolic acid, pyruvic acid, lactic acid, malonic acid, succinic acid, malic acid, maleic acid, fumaric acid, tartatic acid, citric acid, benzoic acid, o-(4-hydroxybenzoyl)benzoic acid, cinnamic acid, madelic acid, methanesulfonic acid, ethanesulfonic acid, 1,2-ethanedisulfonic acid, 2hydroxyethanesulfonic acid, benzenesulfonic acid, p-chlorobenzenesulfonic acid, 2naphthalenesulfonic acid, p-toluenesulfonic acid, camphorsulfonic acid, 4methylbicyclo[2.2.2]oct-2-ene-1-carboxylic acid, glucoheptonic acid, 4,4'methylenebis(3-hydroxy-2-ene-1-carboxylic acid), 3-phenylpropionic acid, trimethylacetic acid, tertiary butylacetic acid, lauryl sulfuric acid, gluconic acid, glutaric acid, hydroxynaphthoic acid, salicylic acid, stearic acid, and muconic acid. Base addition salts include, but are not limited to, inorganic bases such as sodium, potassium, lithium, ammonium, calcium and magnesium salts, and organic bases such as primary, secondary and tertiary amines (e.g. isopropylamine, trimethyl amine, diethyl amine,

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tri(iso-propyl) amine, tri(n-propyl) amine, ethanolamine, 2-dimethylaminoethanol, tromethamine, lysine, arginine, histidine, caffeine, procaine, hydrabamine, choline, betaine, ethylenediamine, glucosamine, N-alkylglucamines, theobromine, purines, piperazine, piperidine, morpholine, and N-ethylpiperidine).

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The ratio of API to co-crystal former may be stoichiometric or non-stoichiometric according to the present invention. For example, 1:1, 1:1.5 and 1:2 ratios of API:co-crystal former are acceptable.

It has surprisingly been found that when an API and a selected co-crystal former are allowed to form co-crystals, the resulting co-crystals give rise to improved properties of the API, as compared to the API in a free form (including free acids, free bases, and zwitter ions, hydrates, solvates, etc.), or an acid or base salt thereof particularly with respect to: solubility, dissolution, bioavailability, stability, Cmax, Tmax, processability, longer lasting therapeutic plasma concentration, hygroscopicity, crystallization of amorphous compounds, decrease in form diversity (including polymorphism and crystal habit), change in morphology or crystal habit, etc. For example, a co-crystal form of an API is particularly advantageous where the original API is insoluble or sparingly soluble in water. Additionally, the co-crystal properties conferred upon the API are also useful because the bioavailability of the API can be improved and the plasma concentration and/or serum concentration of the API can be improved. This is particularly advantageous for orally-administrable formulations. Moreover, the dose response of the API can be improved, for example by increasing the maximum attainable response and/or increasing the potency of the API by increasing the biological activity per dosing equivalent.

Accordingly, in a first aspect, the present invention provides a pharmaceutical composition comprising a co-crystal of an API and a co-crystal former, such that the API and co-crystal former are capable of co-crystallizing from a solution phase under crystallization conditions or from the solid-state, for example, through grinding or heating. In another aspect, the API has at least one functional group selected from ether, thioether, alcohol, thiol, aldehyde, ketone, thioketone, nitrate ester, phosphate ester, thiophosphate ester, ester, thioester, sulfate ester, carboxylic acid, phosphonic acid, phosphinic acid, sulfonic acid, amide, primary amine, secondary amine, ammonia, tertiary amine, sp2 amine, thiocyanate, cyanamide, oxime, nitrile, diazo, organohalide, nitro, s-heterocyclic ring, thiophene, n-heterocyclic ring, pyrrole, o-heterocyclic ring, furan, epoxide, peroxide, hydroxamic acid, imidazole, and pyridine anda co-crystal

former which has at least one functional group selected from ether, thioether, alcohol, thiol, aldehyde, ketone, thioketone, nitrate ester, phosphate ester, thiophosphate ester, ester, thioester, sulfate ester, carboxylic acid, phosphonic acid, phosphinic acid, sulfonic acid, amide, primary amine, secondary amine, ammonia, tertiary amine, sp2 amine, thiocyanate, cyanamide, oxime, nitrile, diazo, organohalide, nitro, s-heterocyclic ring, thiophene, n-heterocyclic ring, pyrrole, o-heterocyclic ring, furan, epoxide, peroxide, hydroxamic acid, imidazole, and pyridine, or a functional group in a Table herein, such that the API and co-crystal former are capable of co-crystallizing from a solution phase under crystallization conditions.

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The co-crystals of the present invention are formed where the API and co-crystal former are bonded together through hydrogen bonds. Other non-covalent interactions, including pi-stacking and van der Waals interactions, may also be present.

In one embodiment, the co-crystal former is selected from the co-crystal formers of Table I and Table II. In other embodiments, the co-crystal former of Table I is specified as a Class 1, Class 2, or Class 3 co-crystal former (see column labeled "class" Table I). In another embodiment, the difference in pK_a value of the co-crystal former and the API is less than 2. In other embodiments, the difference in pK_a values of the co-crystal former and API is less than 3, less than 4, less than 5, between 2 and 3, between 3 and –4, or between 4 and 5. Table I lists multiple pK_a values for co-crystal formers having multiple functionalities. It is readily apparent to one skilled in the art the particular functional group corresponding to a particular pK_a value.

In another embodiment the particular functional group of a co-crystal former interacting with the API is specified (see for example Table I, columns labeled "Functionality" and "Molecular Structure" and the column of Table II labeled "Co-Crystal Former Functional Group"). In a further embodiment the functional group of the API interacting with the co-crystal former functional group is specified (see, for example, Tables II and III).

In another embodiment, the co-crystal comprises more than one co-crystal former. For example, two, three, four, five, or more co-crystal formers can be incorporated in a co-crystal with an API. Co-crystals which comprise two or more co-crystal formers and an API are bound together via hydrogen bonds. In one embodiment, incorporated co-crystal formers are hydrogen bonded to the API molecules. In another embodiment, co-crystal formers are hydrogen bonded to either the API molecules or the incorporated co-crystal formers.

In a further embodiment, several co-crystal formers can be contained in a single compartment, or kit, for ease in screening an API for potential co-crystal species. The co-crystal kit can comprise 5, 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100, or more of the co-crystal formers in Tables I and II. The co-crystal formers are in solid form and in an array of individual reaction vials such that individual co-crystal formers can be tested with one or more APIs by one or more crystallization methods or multiple co-crystal formers can be easily tested against one or more compounds by one or more crystallization methods. The crystallization methods include, but are not limited to, melt recrystallization, grinding, milling, standing, co-crystal formation from solution by evaporation, thermally driven crystallization from solution, co-crystal formation from solution by addition of anti-solvent, co-crystal formation from solution by vapordiffusion, co-crystal formation from solution by drown-out, co-crystal formation from solution by any combination of the above mentioned techniques, co-crystal formation by co-sublimation, co-crystal formation by sublimation using a Knudsen cell apparatus, cocrystal formation by standing the desired components of the co-crystal in the presence of solvent vapor, co-crystal formation by slurry conversion of the desired components of the co-crystal in a solvent or mixtures of solvents, or co-crystal formation by any combination of the above techniques in the presence of additives, nucleates, crystallization enhancers, precipitants, chemical stabilizers, or anti-oxidants. The cocrystallization kits can be used alone or as part of larger crystallization experiments. For example, kits can be constructed as single co-crystal former single well kits, single cocrystal former multi-well kits, multi-co-crystal former single well kits, or multi-cocrystal former multi-well kits.

In a further embodiment, the API is selected from an API of Table IV or elsewhere herein. For pharmaceuticals listed in Table IV, co-crystals can comprise such APIs in free form (i.e. free acid, free base, zwitter ion), salts, solvates, hydrates, or the like. For APIs in Table IV listed as salts, solvates, hydrates, and the like, the API can either be of the form listed in Table IV or its corresponding free form, or of another form that is not listed. Table IV includes the CAS number, chemical name, or a PCT or patent reference (each incorporated herein in their entireties). In further embodiments, the functional group of the particular API interacting with the co-crystal former is specified. A specific functional group of a co-crystal former, a specific co-crystal former, or a specified functional group or a specific co-crystal former interacting with the particular API may also be specified. It is noted that for Table II, the co-crystal

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former, and optionally the specific functionality, and each of the listed corresponding interacting groups are included as individual species of the present invention. Thus, each specific combination of a co-crystal former and one of the interacting groups in the same row may be specified as a species of the present invention. The same is true for other combinations as discussed in the Tables and elsewhere herein.

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In each process according to the invention, there is a need to contact the API with the co-crystal former. This may involve grinding the two solids together or melting one or both components and allowing them to recrystallize. This may also involve either solubilizing the API and adding the co-crystal former, or solubilizing the co-crystal former and adding the API. Crystallization conditions are applied to the API and co-crystal former. This may entail altering a property of the solution, such as pH or temperature and may require concentration of the solute, usually by removal of the solvent, typically by drying the solution. Solvent removal results in the concentration of both API and co-crystal former increasing over time so as to facilitate crystallization. Once the solid phase comprising any crystals is formed, this may be tested as described herein.

The co-crystals obtained as a result of such process steps may be readily incorporated into a pharmaceutical composition by conventional means. Pharmaceutical compositions in general are discussed in further detail below and may further comprise a pharmaceutically-acceptable diluent, excipient or carrier.

In a further aspect, the present invention provides a process for the production of a pharmaceutical composition, which process comprises:

- (1) providing an API which has at least one functional group selected from ether, thioether, alcohol, thiol, aldehyde, ketone, thioketone, nitrate ester, phosphate ester, thiophosphate ester, ester, thioester, sulfate ester, carboxylic acid, phosphonic acid, phosphinic acid, sulfonic acid, amide, primary amine, secondary amine, ammonia, tertiary amine, sp2 amine, thiocyanate, cyanamide, oxime, nitrile diazo, organohalide, nitro, s-heterocyclic ring, thiophene, n-heterocyclic ring, pyrrole, o-heterocyclic ring, furan, epoxide, peroxide, hydroxamic acid, imidazole, and pyridine or of Table II or III;
- (2) providing a co-crystal former which has at least one functional group selected from ether, thioether, alcohol, thiol, aldehyde, ketone, thioketone, nitrate ester, phosphate ester, thiophosphate ester, ester, thioester, sulfate ester, carboxylic acid, phosphonic acid, phosphinic acid, sulfonic acid, amide, primary amine, secondary amine, ammonia, tertiary amine, sp2 amine, thiocyanate, cyanamide, oxime, nitrile,

diazo, organohalide, nitro, s-heterocyclic ring, thiophene, n-heterocyclic ring, pyrrole, o-heterocyclic ring, furan, epoxide, peroxide, hydroxamic acid, imidazole, and pyridine or of Table I, II, or III;

- (3) grinding, heating or contacting in solution the API with the co-crystal former under crystallization conditions;
 - (4) isolating co-crystals formed thereby; and
 - (5) incorporating the co-crystals into a pharmaceutical composition.

In a still further aspect the present invention provides a process for the production of a pharmaceutical composition, which comprises:

- (1) grinding, heating or contacting in solution an API with a co-crystal former, under crystallization conditions, so as to form a solid phase;
 - (2) isolating co-crystals comprising the API and the co-crystal former; and
 - (3) incorporating the co-crystals into a pharmaceutical composition.

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Assaying the solid phase for the presence of co-crystals of the API and the co-crystal former may be carried out by conventional methods known in the art. For example, it is convenient and routine to use powder X-ray diffraction techniques to assess the presence of co-crystals. This may be affected by comparing the spectra of the API, the crystal former and putative co-crystals in order to establish whether or not true co-crystals had been formed. Other techniques, used in an analogous fashion, include differential scanning calorimetry (DSC), thermogravimetric analysis (TGA) and Raman spectroscopy. Single crystal X-ray diffraction is especially useful in identifying co-crystal structures.

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In a further aspect, the present invention therefore provides a process of screening for co-crystal compounds, which comprises:

- (1) providing (i) an API compound, and (ii) a co-crystal former; and
- (2) screening for co-crystals of APIs with co-crystal formers by subjecting each combination of API and co-crystal former to a step comprising:
 - (a) grinding, heating or contacting in solution the API with the co-crystal former under crystallization conditions so as to form a solid phase; and
 - (b) isolating co-crystals comprising the API and the co-crystal former.

An alternative embodiment is drawn to a process of screening for co-crystal compounds, which comprises:

- (1) providing (i) an API or a plurality of different APIs, and (ii) a co-crystal former or a plurality of different co-crystal formers, wherein at least one of the API and the co-crystal former is provided as a plurality thereof; and
- (2) screening for co-crystals of APIs with co-crystal formers by subjecting each combination of API and co-crystal former to a step comprising
- (a) grinding, heating or contacting in solution the API with the co-crystal former under crystallization conditions so as to form a solid phase; and
 - (b) isolating co-crystals comprising the API and the co-crystal former.

Solubility Modulation

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In a further aspect, the present invention provides a process for modulating the solubility of an API, which process comprises:

- (1) grinding, heating or contacting in solution the API with a co-crystal former under crystallization conditions, so as to form a co-crystal of the API and the co-crystal former; and
 - (2) isolating co-crystals comprising the API and the co-crystal former.

In one embodiment, the solubility of the API is modulated such that the aqueous solubility is increased. Solubility of APIs may be measured by any conventional means such as chromatography (e.g., HPLC) or spectroscopic determination of the amount of API in a saturated solution of the API, such as UV-spectroscopy, IR-spectroscopy, Raman spectroscopy, quantitative mass spectroscopy, or gas chromatography.

In another aspect of the invention, the API may have low aqueous solubility. Typically, low aqueous solubility in the present application refers to a compound having a solubility in water which is less than or equal to 10 mg/mL, when measured at 37 degrees C, and preferably less than or equal to 5 mg/mL or 1 mg/mL. Low aqueous solubility can further be specifically defined as less than or equal to 900, 800, 700, 600, 500, 400, 300, 200 150 100, 90, 80, 70, 60, 50, 40, 30, 20 micrograms/mL, or further 10, 5 or 1 micrograms/mL, or further 900, 800, 700, 600, 500, 400, 300, 200 150, 100 90, 80, 70, 60, 50, 40, 30, 20, or 10 ng/mL, or less than 10 ng/mL when measured at 37 degrees C. Aqueous solubility can also be specified as less than 500, 400, 300, 200, 150, 100, 75, 50 or 25 mg/mL. As embodiments of the present invention, solubility can

be increased 2, 3, 4, 5, 7, 10, 15, 20, 25, 50, 75, 100, 200, 300, 500, 750, 1000, 5000, or 10,000 times by making a co-crystal of the reference form (e.g., crystalline or amorphous free acid, free base or zwitter ion, hydrate or solvate), or a salt thereof. Further aqueous solubility can be measured in simulated gastric fluid (SGF) or simulated intestinal fluid (SIF) rather than water. SGF (non-diluted) of the present invention is made by combining 1 g/L Triton X-100 and 2 g/L NaCl in water and adjusting the pH with 20 mM HCl to obtain a solution with a final pH=1.7 (SIF is 0.68% monobasic potassium phosphate, 1% pancreatin, and sodium hydroxide where the pH of the final solution is 7.5). The pH of the solvent used may also be specified as 1, 1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7, 1.8, 1.9, 2, 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, or 12, or any pH in between successive values.

Examples of embodiments includes: co-crystal compositions with an aqueous solubility, at 37 degrees C and a pH of 7.0, that is increased at least 5 fold over the reference form, co-crystal compositions with a solubility in SGF that is increased at least 5 fold over the reference form, co-crystal compositions with a solubility in SIF that is increased at least 5 fold over the reference form.

Dissolution Modulation

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In another aspect of the present invention, the dissolution profile of the API is modulated whereby the aqueous dissolution rate or the dissolution rate in simulated gastric fluid or in simulated intestinal fluid, or in a solvent or plurality of solvents is increased. Dissolution rate is the rate at which API solids dissolve in a dissolution medium. For APIs whose absorption rates are faster than the dissolution rates (e.g., steroids), the rate-limiting step in the absorption process is often the dissolution rate. Because of a limited residence time at the absorption site, APIs that are not dissolved before they are removed from intestinal absorption site are considered useless. Therefore, the rate of dissolution has a major impact on the performance of APIs that are poorly soluble. Because of this factor, the dissolution rate of APIs in solid dosage forms is an important, routine, quality control parameter used in the API manufacturing process.

Dissolution rate = $K S (C_s-C)$

where K is dissolution rate constant, S is the surface area, C_s is the apparent solubility, and C is the concentration of API in the dissolution medium.

For rapid API absorption, C_s-C is approximately equal to C_s

The dissolution rate of APIs may be measured by conventional means known in the art.

The increase in the dissolution rate of a co-crystal, as compared to the reference form (e.g., free form or salt), may be specified, such as by 10, 20, 30, 40, 50, 60, 70, 80, 90, or 100%, or by 2, 3, 4, 5, 6, 7, 8, 9, 10, 15, 20, 25, 30, 40, 50, 75, 100, 125, 150, 175, 200, 250, 300, 350, 400, 500, 1000, 10,000, or 100,000 fold greater than the reference form (e.g., free form or salt form) in the same solution. Conditions under which the dissolution rate is measured is the same as discussed above. The increase in dissolution may be further specified by the time the composition remains supersaturated before reaching equilibrium solubility.

Examples of above embodiments include: co-crystal compositions with a dissolution rate in aqueous solution, at 37 degrees C and a pH of 7.0, that is increased at least 5 fold over the reference form, co-crystal compositions with a dissolution rate in SGF that is increased at least 5 fold over the reference form, co-crystal compositions with a dissolution rate in SIF that is increased at least 5 fold over the reference form.

20 Bioavailability Modulation

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The methods of the present invention are used to make a pharmaceutical API formulation with greater solubility, dissolution, and bioavailability. Bioavailability can be improved via an increase in AUC, reduced time to T_{max} , (the time to reach peak blood serum levels), or increased C_{max} . The present invention can result in higher plasma concentrations of API when compared to the neutral form or salt alone (reference form).

AUC is the area under the plot of plasma concentration of API (not logarithm of the concentration) against time after API administration. The area is conveniently determined by the "trapezoidal rule": The data points are connected by straight line segments, perpendiculars are erected from the abscissa to each data point, and the sum of the areas of the triangles and trapezoids so constructed is computed. When the last

measured concentration (C_n , at time t_n) is not zero, the AUC from t_n to infinite time is estimated by C_n/k_{el} .

The AUC is of particular use in estimating bioavailability of APIs, and in estimating total clearance of APIs (Cl_T). Following single intravenous doses, AUC = D/Cl_T , for single compartment systems obeying first-order elimination kinetics, where D is the dose; alternatively, AUC = C_0/k_{cl} , where k_{cl} is the API elimination rate constant. With routes other than the intravenous, for such systems, AUC = $F \cdot D/Cl_T$, where F is the absolute bioavailability of the API.

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Thus, in a further aspect, the present invention provides a process for modulating the bioavailability of an API when administered in its normal and effective dose range as a co-crystal, whereby the AUC is increased, the time to T_{max} is reduced, or C_{max} is increased, as compared to a reference form, which process comprises:

- (1) grinding, heating or contacting in solution the API with a co-crystal former under crystallization conditions, so as to form a co-crystal of the API and the co-crystal former; and
 - (2) isolating co-crystals comprising the API and the co-crystal former.

Examples of the above embodiments include: co-crystal compositions with a time to T_{max} that is reduced by at least 10% as compared to the reference form, cocrystal compositions with a time to T_{max} that is reduced by at least 20% over the reference form, co-crystal compositions with a time to T_{max} that is reduced by at least 40% over the reference form, co-crystal compositions with a time to T_{max} that is reduced by at least 50% over the reference form, co-crystal compositions with a T_{max} that is reduced by at least 60% over the reference form, co-crystal compositions with a T_{max} that is reduced by at least 70% over the reference form, co-crystal compositions with a T_{max} that is reduced by at least 80% over the reference form, co-crystal compositions with a T_{max} that is reduced by at least 90% over the reference form, co-crystal compositions with a C_{max} that is increased by at least 20% over the reference form, cocrystal compositions with a C_{max} that is increased by at least 30% over the reference form, co-crystal compositions with a C_{max} that is increased by at least 40% over the reference form, co-crystal compositions with a C_{max} that is increased by at least 50% over the reference form, co-crystal compositions with a C_{max} that is increased by at least 60% over the reference form, co-crystal compositions with a C_{max} that is increased by at least 70% over the reference form, co-crystal compositions with a C_{max} that is increased by at least 80% over the reference form, co-crystal compositions with a Cmax that is

increased by at least 2 fold, 3 fold, 5 fold, 7.5 fold, 10 fold, 25 fold, 50 fold or 100 fold, co-crystal compositions with an AUC that is increased by at least 10% over the reference form, co-crystal compositions with an AUC that is increased by at least 20% over the reference form, co-crystal compositions with an AUC that is increased by at least 30% over the reference form, co-crystal compositions with an AUC that is increased by at least 40% over the reference form, co-crystal compositions with an AUC that is increased by at least 50% over the reference form, co-crystal compositions with an AUC that is increased by at least 60% over the reference form, co-crystal compositions with an AUC that is increased by at least 70% over the reference form, co-crystal compositions with an AUC that is increased by at least 80% over the reference form or co-crystal compositions with an AUC that is increased by at least 2 fold, 3 fold, 4 fold, 5 fold, 6 fold, 7 fold, 8 fold, 9 fold, or 10 fold. Other examples include wherein the reference form is an anhydrous crystalline, wherein the reference form is amorphous, wherein the reference form is an anhydrous crystalline sodium salt, or wherein the reference form is an anhydrous crystalline HCl salt.

Dose Response Modulation

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In a further aspect the present invention provides a process for improving the dose response of an API, which process comprises:

- (1) contacting in solution an API with a co-crystal former under crystallization conditions, so as to form a co-crystal of the API and the co-crystal former; and
 - (2) isolating co-crystals comprising the API and the co-crystal former.

Dose response is the quantitative relationship between the magnitude of response and the dose inducing the response and may be measured by conventional means known in the art. The curve relating effect (as the dependent variable) to dose (as the independent variable) for an API-cell system is the "dose-response curve". Typically, the dose-response curve is the measured response to an API plotted against the dose of the API (mg/kg) given. The dose response curve can also be a curve of AUC against the dose of the API given.

In an embodiment of the present invention, a co-crystal of the present invention has an increased dose response curve or a more linear dose response curve than the corresponding reference compound.

5 Increased Stability

In a still further aspect the present invention provides a process for improving the stability of an API (as compared to a reference form such as its free form or a salt thereof), which process comprises:

- grinding, heating or contacting in solution the pharmaceutical salt with a co crystal former under crystallization conditions, so as to form a co-crystal of the API and
 the co-crystal former; and
 - (2) isolating co-crystals comprising the API and the co-crystal former.

In a preferred embodiment, the compositions of the present invention, including 15 the API or active pharmaceutical ingredient (API) and formulations comprising the API, are suitably stable for pharmaceutical use. Preferably, the API or formulations thereof of the present invention are stable such that when stored at 30 degrees C for 2 years, less than 0.2 % of any one degradant is formed. The term degradant refers herein to product(s) of a single type of chemical reaction. For example, if a hydrolysis event 20 occurs that cleaves a molecule into two products, for the purpose of the present invention, it would be considered a single degradant. More preferably, when stored at 40 degrees C for 2 years, less than 0.2 % of any one degradant is formed. Alternatively, when stored at 30 degrees C for 3 months, less than 0.2% or 0.15 %, or 0.1 % of any one degradant is formed, or when stored at 40 degrees C for 3 months, less than 0.2 % or 0.15 %, or 0.1 % of any one degradant is formed. Further alternatively, when stored at 25 60 degrees C for 4 weeks, less than 0.2 % or 0.15 %, or 0.1 % of any one degradant is formed. The relative humidity (RH) may be specified as ambient (RH), 75 % (RH), or as any single integer between 1 to 99 %.

30 <u>Difficult to Salt or Unsaltable Compounds</u>

In a still further aspect the present invention provides a process for making co-crystals of unsaltable or difficult to salt APIs which process comprises:

- (1) grinding, heating or contacting in solution an API with a co-crystal former under crystallization conditions, so as to form a co-crystal of the API and the co-crystal former; and
- (2) isolating co-crystals comprising the API and the co-crystal former.

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Difficult to salt compounds include bases with a pKa < 3 or acids with a pKa > 10. Zwitter ions are also difficult to salt or unsaltable compounds according to the present invention.

10 <u>Decreasing Hygroscopicity</u>

In a still further aspect, the present invention provides a method for decreasing the hygroscopicity of an API, which method comprises:

- (1) grinding, heating or contacting in solution the API with a co-crystal former under crystallization conditions, so as to form a co-crystal of the API and the co-crystal former; and
- (2) isolating co-crystals comprising the API and the co-crystal former.

An aspect of the present invention provides a pharmaceutical composition comprising a co-crystal of an API that is less hygroscopic than amorphous or crystalline, free form or salt (including metal salts such as sodium, potassium, lithium, calcium, magnesium) or another reference compound. Hygroscopicity can be assessed by dynamic vapor sorption analysis, in which 5-50 mg of the compound is suspended from a Cahn microbalance. The compound being analyzed should be placed in a nonhygroscopic pan and its weight should be measured relative to an empty pan composed of identical material and having nearly identical size, shape, and weight. Ideally, platinum pans should be used. The pans should be suspended in a chamber through which a gas, such as air or nitrogen, having a controlled and known percent relative humidity (%RH) is flowed until eqilibrium criteria are met. Typical equilibrium criteria include weight changes of less than 0.01 % over 3 minutes at constant humidity and temperature. The relative humidity should be measured for samples dried under dry nitrogen to constant weight (<0.01 % change in 3 minutes) at 40 degrees C unless doing so would de-solvate or otherwise convert the material to an amorphous compound. In one aspect, the hygroscopicity of a dried compound can be assessed by increasing the RH from 5 to 95 % in increments of 5 % RH and then decreasing the RH from 95 to 5 %

in 5 % increments to generate a moisture sorption isotherm. The sample weight should be allowed to equilibrate between each change in % RH. If the compound deliquesces or becomes amorphous above 75 % RH, but below 95 % RH, the experiment should be repeated with a fresh sample and the relative humidity range for the cycling should be narrowed to 5-75 % RH or 10-75 % RH, instead of 5-95 %RH. If the sample cannot be dried prior to testing due to lack of form stability, than the sample should be studied using two complete humidity cycles of either 10-75 % RH or 5-95 % RH, and the results of the second cycle should be used if there is significant weight loss at the end of the first cycle.

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Hygroscopicity can be defined using various parameters. For purposes of the present invention, a non-hygroscopic molecule should not gain or lose more than 1.0 %, or more preferably, 0.5 % weight at 25 degrees C when cycled between 10 and 75 % RH (relative humidity at 25 degrees C). The non-hygroscopic molecule more preferably should not gain or lose more than 1.0 %, or more preferably, 0.5 % weight when cycled between 5 and 95 % RH at 25 degrees C, or more than 0.25 % of its weight between 10 and 75 % RH. Most preferably, a non-hygroscopic molecule will not gain or lose more than 0.25 % of its weight when cycled between 5 and 95 % RH.

Alternatively, for purposes of the present invention, hygroscopicity can be defined using the parameters of Callaghan et al., "Equilibrium moisture content of pharmaceutical excipients", in Api Dev. Ind. Pharm., Vol. 8, pp. 335-369 (1982). Callaghan et al. classified the degree of hygroscopicity into four classes.

	Class 1:	Non-hygroscopic	Essentially no moisture increases occur at relative
			humidities below 90 %.
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	Class 2:	Slightly hygroscopic	Essentially no moisture increases occur at relative
			humidities below 80%.
	Class 3:	Moderately hygroscopic	Moisture content does not increase more than 5 %
30			after storage for 1 week at relative humidities
			below 60 %.

Class 4: Very hygroscopic Moisture content increase may occur at relative humidities as low as 40 to 50 %.

Alternatively, for purposes of the present invention, hygroscopicity can be defined using the parameters of the European Pharmacopoeia Technical Guide (1999, p. 86) which has defined hygrospocity, based on the static method, after storage at 25 degrees C for 24 hours at 80 % RH:

Slightly hygroscopic: Increase in mass is less than 2 percent m/m and equal to or greater than 0.2 percent m/m.

10 Hygroscopic: Increase in mass is less than 15 percent m/m and equal to or greater than 0.2 percent m/m.

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Very Hygroscopic: Increase in mass is equal to or greater than 15 percent m/m.

Deliquescent: Sufficient water is absorbed to form a liquid.

Co-crystals of the present invention can be set forth as being in Class 1, Class 2, or Class 3, or as being Slightly hygroscopic, Hygroscopic, or Very Hygroscopic. Cocrystals of the present invention can also be set forth based on their ability to reduce hygroscopicity. Thus, preferred co-crystals of the present invention are less hygroscopic than a reference compound. The reference compound can be specified as the API in free form (free acid, free base, hydrate, solvate, etc.) or salt (e.g., especially metal salts such as sodium, potassium, lithium, calcium, or magnesium). Further included in the present invention are co-crystals that do not gain or lose more than 1.0 % weight at 25 degrees C when cycled between 10 and 75 % RH, wherein the reference compound gains or loses more than 1.0 % weight under the same conditions. Further included in the present invention are co-crystals that do not gain or lose more than 0.5 % weight at 25 degrees C when cycled between 10 and 75 % RH, wherein the reference compound gains or loses more than 0.5 % or more than 1.0 % weight under the same conditions. Further included in the present invention are co-crystals that do not gain or lose more than 1.0 % weight at 25 degrees C when cycled between 5 and 95 % RH, wherein the reference compound gains or loses more than 1.0 % weight under the same conditions. Further included in the present invention are co-crystals that do not gain or lose more than 0.5 % weight at 25 degrees C when cycled between 5 and 95 % RH, wherein the

reference compound gains or loses more than 0.5 % or more than 1.0 % weight under the same conditions. Further included in the present invention are co-crystals that do not gain or lose more than 0.25 % weight at 25 degrees C when cycled between 5 and 95 % RH, wherein the reference compound gains or loses more than 0.5 % or more than 1.0 % weight under the same conditions.

Further included in the present invention are co-crystals that have a hygroscopicity (according to Callaghan et al.) that is at least one class lower than the reference compound or at least two classes lower than the reference compound. Included are a Class 1 co-crystal of a Class 2 reference compound, a Class 2 co-crystal of a Class 3 reference compound, a Class 3 co-crystal of a Class 4 reference compound, a Class 3 reference compound, a Class 1 co-crystal of a Class 4 reference compound, or a Class 2 co-crystal of a Class 4 reference compound.

Further included in the present invention are co-crystals that have a hygroscopicity (according to the European Pharmacopoeia Technical Guide) that is at least one class lower than the reference compound or at least two classes lower than the reference compound. Non-limiting examples include; a slightly hygroscopic co-crystal of a hygroscopic reference compound, a hygroscopic co-crystal of a very hygroscopic reference compound, a very hygroscopic co-crystal of a deliquescent reference compound, a slightly hygroscopic co-crystal of a very hygroscopic reference compound, a slightly hygroscopic co-crystal of a deliquescent reference compound, and a hygroscopic co-crystal of a deliquescent reference compound.

Crystallizing Amorphous Compounds

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In a further aspect, the present invention provides a process for crystallizing an amorphous compound, which process comprises:

- (1) grinding, heating or contacting in solution the API with a co-crystal former under crystallization conditions, so as to form a co-crystal of the API and the co-crystal former; and
- (2) isolating co-crystals comprising the API and the co-crystal former.

An amorphous compound includes compounds that do not crystallize using routine methods in the art.

Decreasing Form Diversity

In a still further embodiment aspect the present invention provides a process for reducing the form diversity of an API, which process comprises:

- (1) grinding, heating or contacting in solution the API with a co-crystal former under crystallization conditions, so as to form a co-crystal of the API and the co-crystal former; and
- (2) isolating co-crystals comprising the API and the co-crystal former.

For purposes of the present invention, the number of forms of a co-crystal is compared to the number of forms of a reference compound (e.g. the free form or a salt of the API) that can be made using routine methods in the art.

Morphology Modulation

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In a still further aspect the present invention provides a process for modifying the morphology of an API, which process comprises:

- 15 (1) grinding, heating or contacting in solution the API with a co-crystal former under crystallization conditions, so as to form a co-crystal of the API and the co-crystal former; and
 - (2) isolating co-crystals comprising the API and the co-crystal former.
- 20 In an embodiment the co-crystal comprises or consists of a co-crystal former and a pharmaceutical wherein the interaction between the two, e.g., H-bonding, occurs between a functional group of Table III of an API with a corresponding interacting group of Table III. In a further embodiment, the co-crystal comprises a co-crystal former of Table I or II and an API with a corresponding interacting group of Table III. 25 In a further embodiment the co-crystal comprises an API from Table IV and a co-crystal former with a functional group of Table III. In a further embodiment, the co-crystal is from Table I or II. In an aspect of the invention, only co-crystals having an H-bond acceptor on the first molecule and an H-bond donor on the second molecule, where the first and second molecules are either co-crystal former and API respectively or API and 30 co-crystal former respectively, are included in the present invention. Table IV includes the CAS number, chemical name or a PCT or patent reference (each incorporated herein in their entireties). Thus, whether a particular API contains an H-bond donor, acceptor or both is readily apparent.

In another embodiment, the co-crystal former and API each have only one H-bond donor/acceptor. In another aspect, the molecular weight of the API is less than 2000, 1500, 1000, 750, 500, 350, 200, or 150 Daltons. In another embodiment, the molecular weight of the API is between 100-200, 200-300, 300-400, 400-500, 500-600, 600-700, 700-800, 800-900, 900-1000, 1000-1200, 1200-1400, 1400-1600, 1600-1800, or 1800-2000. APIs with the above molecular weights may also be specifically excluded from the present invention.

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In another embodiment, peptides, proteins, nucleic acids or other biological APIs are excluded from the present invention. In another embodiment, all nonpharmaceutically acceptable co-crystal formers are excluded from the present invention. In another embodiment, organometalic APIs are excluded from the present invention. In another embodiment, a co-crystal former comprising any one or more of the functional groups of Table III may be specifically excluded from the present invention. In another embodiment, any one or more of the co-crystal formers of Table I or II may be specifically excluded from the present invention. Any APIs currently known in the art may also be specifically excluded from the present invention. For example, carbanazepine, itraconazole, nabumetone, fluoxetine, acetaminophen and theophylline can each be specifically excluded from the present invention. In another embodiment, the API is not a salt, is not a non-metal salt, or is not a metal salt, e.g., sodium, potassium, lithium, calcium or magnesium. In another embodiment, the API is a salt, is a non-metal salt, or is a metal salt, e.g., sodium, potassium, lithium, calcium, magnesium. In one embodiment, the API does not contain a halogen. In one embodiment, the API does contain a halogen.

In another embodiment, any one or more of the APIs of Table IV may be specifically excluded from the present invention. Any APIs currently known in the art may also be specifically excluded from the present invention. For example, nabumetone:2,3-naphthalenediol, fluoxetine HCl:benzoic acid, fluoxetine HCl:succinic acid, acetaminophen:piperazine, acetaminophen:theophylline, theophylline:salicylic acid, theophylline:p-hydroxybenzoic acid, theophylline:sorbic acid, theophylline:1-hydroxy-2-naphthoic acid, theophylline:glycolic acid, theophylline:2,5-dihydroxybenzoic acid, theophylline:chloroacetic acid, bis(diphenylhydantoin):9-ethyladenine acetylacetone solvate, bis(diphenylhydantoin):9-ethyladenine, bis(diphenylhydantoin):9-ethyladenine, 4-aminobenzoic acid:4-aminobenzonitrile,

sulfadimidine:salicylic acid, 8-hydroxyquinolinium 4-nitrobenzoate:4-nitrobenzoic acid, sulfaproxyline:caffeine, retro-inverso-isopropyl (2R,3S)-4-cyclohexyl-2-hydroxy-3-(N-((2R)-2-morpholinocarbonylmethyl-3-(1-naphthyl)propionyl)-Lhistidylamino)butyrate:cinnamic acid monohydrate, benzoic acid:isonicotinamide, 3-(2-5 N',N'-(dimethylhydrazino)-4-thiazolylmethylthio)-N''sulfamoylpropionamidine:maleic acid, diglycine hydrochloride (C₂H₅NO₂:C₂H₆NO₂⁺Cl⁻), octadecanoic acid:3-pyridinecarboxamide, cis-N-(3-methyl-1-(2-(1,2,3,4tetrahydro)naphthyl)-piperidin-4-yl)-N-phenylpropanamide hydrochloride:oxalic acid, trans-N-(3-methyl-1-(2-(1,2,3,4-tetrahydro)naphthyl)-piperidin-4-ylium)-N-10 phenylpropanamide oxalate:oxalic acid dihydrate, bis(1-(3-((4-(2-isopropoxyphenyl)-1piperazinyl)methyl)benzoyl)piperidine) succinate:succinic acid, bis(pcyanophenyl)imidazolylmethane:succinic acid, cis-1-((4-(1imidazolylmethyl)cyclohexyl)methyl)imidazole:succinic acid, (+)-2-(5,6-dimethoxy-1,2,3,4-tetrahydro-1-naphthyl)imidazoline:(+)-dibenzoyl-D-tartaric acid, 15 raclopride:tartaric acid, 2,6-diamino-9-ethylpurine:5,5-diethylbarbituric acid, 5,5diethylbarbituric acid:bis(2-aminopyridine), 5,5-diethylbarbituric acid:acetamide, 5,5diethylbarbituric acid:KI₃, 5,5-diethylbarbituric acid:urea, bis(barbital):hexamethylphosphoramide, 5,5-diethylbarbituric acid:imidazole, barbital:1-methylimidazole, 5,5-diethylbarbituric acid:N-methyl-2-pyridone, 2,4-20 diamino-5-(3,4,5-trimethoxybenzyl)-pyrimidine:5,5-diethylbarbituric acid, bis(barbital):caffeine, bis(barbital):1-methylimidazole, bis(betacyclodextrin):bis(barbital) hydrate, tetrakis(beta-cyclodextrin):tetrakis(barbital), 9ethyladenine:5,5-diethylbarbituric acid, barbital:N'-(p-cyanophenyl)-N-(piodophenyl)melamine, barbital:2-amino-4-(m-bromophenylamino)-6-chloro-1,3,5-25 triazine, 5,5-diethylbarbituric acid:N,N'-diphenylmelamine, 5,5-diethylbarbituric acid:N,N'-bis(p-chlorophenyl)melamine, N,N'-bis(p-bromophenyl)melamine:5,5diethylbarbituric acid, 5,5-diethylbarbituric acid:N,N'-bis(p-iodophenyl)melamine, 5,5diethylbarbituric acid:N,N'-bis(p-tolyl)melamine, 5,5-diethylbarbituric acid:N,N'bis(m-tolyl)melamine, 5,5-diethylbarbituric acid:N,N'-bis(m-chlorophenyl)melamine,

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acid:N,N'-bis(t-butyl)melamine, 5,5-diethylbarbituric acid:N,N'-di(t-butyl)melamine,

chlorophenyl)melamine:barbital tetrahydrofuran solvate, 5,5-diethylbarbituric

triaminopyrimidine:diethylbarbituric acid, N,N'-bis(4-

N,N'-Bis(m-methylphenyl)melamine:barbital, N,N'-bis(m-

6,6'-diquinolyl ether:5,5-diethylbarbituric acid, 5-t-butyl-2,4,6-

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- carboxymethylphenyl)melamine:barbital ethanol solvate, N,N'-bis(4-t-butylphenyl)melamine:barbital, tris(5,17-N,N'-bis(4-amino-6-(butylamino)-1,3,5-triazin-2-yl)diamino-11,23-dinitro-25,26,27,28-tetrapropoxycalix(4)arene):hexakis(diethylbarbituric acid) toluene solvate, N,N'-bis(m-fluorophenyl)melamine:barbital, N,N'-bis(m-bromophenyl)melamine:barbital acetone
- fluorophenyl)melamine:barbital, N,N'-bis(m-bromophenyl)melamine:barbital acetone solvate, N,N'-bis(m-iodophenyl)melamine:barbital acetonitrile solvate, N,N'-bis(m-trifluoromethylphenyl)melamine:barbital acetonitrile solvate, aminopyrine:barbital, N,N'-bis(4-fluorophenyl)melamine:barbital, N,N'-bis(4-trifluoromethylphenyl)melamine:barbital, 2,4-diamino-5-(3,4,5-
- trimethoxybenzyl)pyrimidine:barbital, hydroxybutyrate:hydroxyvalerate, 2-aminopyrimidine:succinic acid, 1,3-bis(((6-methylpyrid-2-yl)amino)carbonyl)benzene:glutaric acid, 5-t-butyl-2,4,6-triaminopyrimidine:diethylbarbituric acid, bis(dithiobiuret-S,S')nickel(II):diuracil, platinum 3,3'-dihydroxymethyl-2,2'-bipyridine dichloride:AgF₃CSO₃, 4,4'-
- bipyridyl:isophthalic acid, 4,4'-bipyridyl:1,4-naphthalenedicarboxylic acid, 4,4'-bipyridyl:1,3,5-cyclohexane-tricarboxylic acid, 4,4'-bipyridyl:tricaballylic acid, urotropin:azelaic acid, insulin:C8-HI (octanoyl-N°-LysB29-human insulin), isonicotinamide:cinnamic acid, isonicotinamide:3-hydroxybenzoic acid, isonicotinamide:3-N,N-dimethylaminobenzoic acid, isonicotinamide:3,5-
- bis(trifluoromethyl)-benzoic acid, isonicotinamide:d,l-mandelic acid, isonicotinamide:chloroacetic acid, isonicotinamide:fumaric acid monoethyl ester, isonicotinamide:12-bromododecanoic acid, isonicotinamide:fumaric acid, isonicotinamide:succinic acid, isonicotinamide:4-ketopimelic acid, isonicotinamide:thiodiglycolic acid, 1,3,5-cyclohexane-tricarboxylic
- acid:hexamethyltetramine, 1,3,5-cyclohexane-tricarboxylic acid:4,7-phenanthroline, 4,7-phenanthroline:oxalic acid, 4,7-phenanthroline:terephthalic acid, 4,7-phenanthroline: 1,3,5-cyclohexane-tricarboxylic acid, 4,7-phenanthroline:1,4-naphthalenedicarboxylic acid, pyrazine:methanoic acid, pyrazine:ethanoic acid, pyrazine:propanoic acid, pyrazine:butanoic acid, pyrazine:pentanoic acid, pyrazine:hexanoic acid,
- pyrazine:heptanoic acid, pyrazine:octanoic acid, pyrazine:nonanoic acid, pyrazine:decanoic acid, diammine-(deoxy-quanyl-quanyl-N⁷,N⁷)-platinum:tris(glycine) hydrate, 2-aminopyrimidine:p-phenylenediacetic acid, bis(2-aminopyrimidin-1-ium)fumarate:fumaric acid, 2-aminopyrimidine:indole-3-acetic acid, 2-aminopyrimidine:N-methylpyrrole-2-carboxylic acid, 2-aminopyrimidine:thiophen-2-

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carboxylic acid, 2-aminopyrimidine:(+)-camphoric acid, 2,4,6-Trinitrobenzoic acid: 2-
      aminopyrimidine, 2-aminopyrimidine: 4-aminobenzoic acid, 2-
      aminopyrimidine:bis(phenoxyacetic acid), 2-aminopyrimidine:(2,4-
      dichlorophenoxy)acetic acid, 2-aminopyrimidine:(3,4-dichlorophenoxy)acetic acid, 2-
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      aminopyrimidine:indole-2-carboxylic acid, 2-aminopyrimidine:terephthalic acid, 2-
      aminopyrimidine:bis(2-nitrobenzoic acid), 2-aminopyrimidine:bis(2-aminobenzoic
      acid), 2-aminopyrimidine:3-aminobenzoic acid, 2-hexeneoic acid:isonicotinamide, 4-
      nitrobenzoic acid:isonicotinamide, 3,5-dinitrobenzoic acid:isonicotinamide:4-
      methylbenzoic acid, 2-amino-5-nitropyrimidine:2-amino-3-nitropyridine, 3,5-
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      dinitrobenzoic acid:4-chlorobenzamide, 3-dimethylaminobenzoic acid:4-
      chlorobenzamide, fumaric acid:4-chlorobenzamide, oxine:4-nitrobenzoic acid,
      oxine:3,5-dinitrobenzoic acid, oxine:3,5-dinitrosalicylic acid, 3-[2-(N',N'-
      dimethylhydrazino)-4-thiazolylmethylthio]-N<sup>2</sup>-sulfamoylpropionamidine:maleic acid, 5-
      fluorouracil:9-ethylhypoxanthine, 5-fluorouracil:cytosine dihydrate, 5-
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      fluorouracil:theophylline monohydrate, stearic acid:nicotinamide, cis-1-{[4-(1-
      imidazolylmethyl)cyclohexyl]methyl}imidazole:succinic acid, CGS18320B:succinic
      acid, sulfaproxyline:caffeine, 4-aminobenzoic acid:4-aminobenzonitrile, 3,5-
      dinitrobenzoic acid:isonicotinamide:3-methylbenzoic acid, 3,5-dinitrobenzoic
      acid:isonicotinamide:4-(dimethylamino)benzoic acid, 3,5-dinitrobenzoic
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      acid:isonicotinamide:4-hydroxy-3-methoxycinnamic acid, isonicotinamide:oxalic acid,
      isonicotinamide:malonic acid, isonicotinamide:succinic acid, isonicotinamide:glutaric
      acid, isonicotinamide: adipic acid, benzoic acid: isonicotinamide, mazapertine: succinate,
      betaine:dichloronitrophenol, betainepyridine:dichloronitrophenol,
      betainepyridine:pentachlorophenol, 4-{2-[1-(2-hydroxyethyl)-4-pyridylidene}-
25
      ethylidene}-cyclo-hexa-2,5-dien-1-one:methyl 2,4-dihydroxybenzoate, 4-{2-[1-(2-
      hydroxyethyl)-4-pyridylidene]-ethylidene}-cyclo-hexa-2,5-dien-1-one:2,4-
      dihydroxypropiophenone, 4-{2-[1-(2-hydroxyethyl)-4-pyridylidene]-ethylidene}-cyclo-
      hexa-2,5-dien-1-one:2,4-dihydroxyacetophenone, squaric acid:4,4'-dipyridylacetylene,
      squaric acid:1,2-bis(4-pyridyl)ethylene, chloranilic acid:1,4-bis[(4-
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      pyridyl)ethynyl]benzene, 4,4'-bipyridine:phthalic acid, 4,4'-dipyridylacetylene:phthalic
      acid, bis(pentamethylcyclopentadienyl)iron:bromanilic acid,
      bis(pentamethylcyclopentadienyl)iron:chloranilic acid,
      bis(pentamethylcyclopentadienyl)iron:cyananilic acid,
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pyrazinotetrathiafulvalene:chloranilic acid, phenol:pentafluorophenol, co-crystals of

itraconazole, and co-crystals of topiramate are specifically excluded from the present invention.

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Excipients employed in pharmaceutical compositions of the present invention can be solids, semi-solids, liquids or combinations thereof. Preferably, excipients are solids. Compositions of the invention containing excipients can be prepared by any known technique of pharmacy that comprises admixing an excipient with an API or therapeutic agent. A pharmaceutical composition of the invention contains a desired amount of API per dose unit and, if intended for oral administration, can be in the form, for example, of a tablet, a caplet, a pill, a hard or soft capsule, a lozenge, a cachet, a dispensable powder, granules, a suspension, an elixir, a dispersion, a liquid, or any other form reasonably adapted for such administration. If intended for parenteral administration, it can be in the form, for example, of a suspension or transdermal patch. If intended for rectal administration, it can be in the form, for example, of a suppository. Presently preferred are oral dosage forms that are discrete dose units each containing a predetermined amount of the API, such as tablets or capsules.

In another embodiment, APIs with an inappropriate pH for transdermal patches can be co-crystallized with an appropriate co-crystal former, thereby adjusting its pH to an appropriate level for use as a transdermal patch. In another embodiment, an APIs pH level can be optimized for use in a transdermal patch via co-crystallization with an appropriate co-crystal former.

Non-limiting examples follow of excipients that can be used to prepare pharmaceutical compositions of the invention.

Pharmaceutical compositions of the invention optionally comprise one or more pharmaceutically acceptable carriers or diluents as excipients. Suitable carriers or diluents illustratively include, but are not limited to, either individually or in combination, lactose, including anhydrous lactose and lactose monohydrate; starches, including directly compressible starch and hydrolyzed starches (e.g., CelutabTM and EmdexTM); mannitol; sorbitol; xylitol; dextrose (e.g., CereloseTM 2000) and dextrose monohydrate; dibasic calcium phosphate dihydrate; sucrose-based diluents; confectioner's sugar; monobasic calcium sulfate monohydrate; calcium sulfate dihydrate; granular calcium lactate trihydrate; dextrates; inositol; hydrolyzed cereal solids; amylose; celluloses including microcrystalline cellulose, food grade sources of alpha- and amorphous cellulose (e.g., RexcelJ), powdered cellulose, hydroxypropylcellulose (HPC) and hydroxypropylmethylcellulose (HPMC); calcium

carbonate; glycine; bentonite; block co-polymers; polyvinylpyrrolidone; and the like. Such carriers or diluents, if present, constitute in total about 5% to about 99%, preferably about 10% to about 85%, and more preferably about 20% to about 80%, of the total weight of the composition. The carrier, carriers, diluent, or diluents selected preferably exhibit suitable flow properties and, where tablets are desired, compressibility.

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Lactose, mannitol, dibasic sodium phosphate, and microcrystalline cellulose (particularly Avicel PH microcrystalline cellulose such as Avicel PH 101), either individually or in combination, are preferred diluents. These diluents are chemically compatible with many co-crystals described herein. The use of extragranular microcrystalline cellulose (that is, microcrystalline cellulose added to a granulated composition) can be used to improve hardness (for tablets) and/or disintegration time. Lactose, especially lactose monohydrate, is particularly preferred. Lactose typically provides compositions having suitable release rates of co-crystals, stability, precompression flowability, and/or drying properties at a relatively low diluent cost. It provides a high density substrate that aids densification during granulation (where wet granulation is employed) and therefore improves blend flow properties and tablet properties.

Pharmaceutical compositions of the invention optionally comprise one or more pharmaceutically acceptable disintegrants as excipients, particularly for tablet formulations. Suitable disintegrants include, but are not limited to, either individually or in combination, starches, including sodium starch glycolate (e.g., ExplotabTM of PenWest) and pregelatinized corn starches (e.g., NationalTM 1551 of National Starch and Chemical Company, NationalTM 1550, and ColorconTM 1500), clays (e.g., VeegumTM HV of R.T. Vanderbilt), celluloses such as purified cellulose, microcrystalline cellulose, methylcellulose, carboxymethylcellulose and sodium carboxymethylcellulose, croscarmellose sodium (e.g., Ac-Di-SolTM of FMC), alginates, crospovidone, and gums such as agar, guar, locust bean, karaya, pectin and tragacanth gums.

Disintegrants may be added at any suitable step during the preparation of the composition, particularly prior to granulation or during a lubrication step prior to compression. Such disintegrants, if present, constitute in total about 0.2% to about 30%, preferably about 0.2% to about 10%, and more preferably about 0.2% to about 5%, of the total weight of the composition.

Croscarmellose sodium is a preferred disintegrant for tablet or capsule disintegration, and, if present, preferably constitutes about 0.2% to about 10%, more preferably about 0.2% to about 7%, and still more preferably about 0.2% to about 5%, of the total weight of the composition. Croscarmellose sodium confers superior intragranular disintegration capabilities to granulated pharmaceutical compositions of the present invention.

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Pharmaceutical compositions of the invention optionally comprise one or more pharmaceutically acceptable binding agents or adhesives as excipients, particularly for tablet formulations. Such binding agents and adhesives preferably impart sufficient cohesion to the powder being tableted to allow for normal processing operations such as sizing, lubrication, compression and packaging, but still allow the tablet to disintegrate and the composition to be absorbed upon ingestion. Such binding agents may also prevent or inhibit crystallization or recrystallization of a co-crsytal of the present invention once the salt has been dissolved in a solution. Suitable binding agents and adhesives include, but are not limited to, either individually or in combination, acacia; tragacanth; sucrose; gelatin; glucose; starches such as, but not limited to, pregelatinized starches (e.g., NationalTM 1511 and NationalTM 1500); celluloses such as, but not limited to, methylcellulose and carmellose sodium (e.g., TyloseTM); alginic acid and salts of alginic acid; magnesium aluminum silicate; PEG; guar gum; polysaccharide acids; bentonites; povidone, for example povidone K-15, K-30 and K-29/32; polymethacrylates; HPMC; hydroxypropylcellulose (e.g., KlucelTM of Aqualon); and ethylcellulose (e.g., EthocelTM of the Dow Chemical Company). Such binding agents and/or adhesives, if present, constitute in total about 0.5% to about 25%, preferably about 0.75% to about 15%, and more preferably about 1% to about 10%, of the total weight of the pharmaceutical composition.

Many of the binding agents are polymers comprising amide, ester, ether, alcohol or ketone groups and, as such, are preferably included in pharmaceutical compositions of the present invention. Polyvinylpyrrolidones such as povidone K-30 are especially preferred. Polymeric binding agents can have varying molecular weight, degrees of crosslinking, and grades of polymer. Polymeric binding agents can also be copolymers, such as block co-polymers that contain mixtures of ethylene oxide and propylene oxide units. Variation in these units' ratios in a given polymer affects properties and performance. Examples of block co-polymers with varying compositions of block units are Poloxamer 188 and Poloxamer 237 (BASF Corporation).

Pharmaceutical compositions of the invention optionally comprise one or more pharmaceutically acceptable wetting agents as excipients. Such wetting agents are preferably selected to maintain the co-crystal in close association with water, a condition that is believed to improve bioavailability of the composition. Such wetting agents can also be useful in solubilizing or increasing the solubility of co-crystals.

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Non-limiting examples of surfactants that can be used as wetting agents in pharmaceutical compositions of the invention include quaternary ammonium compounds, for example benzalkonium chloride, benzethonium chloride and cetylpyridinium chloride, dioctyl sodium sulfosuccinate, polyoxyethylene alkylphenyl ethers, for example nonoxynol 9, nonoxynol 10, and degrees Ctoxynol 9, poloxamers (polyoxyethylene and polyoxypropylene block copolymers), polyoxyethylene fatty acid glycerides and oils, for example polyoxyethylene (8) caprylic/capric mono- and diglycerides (e.g., LabrasolTM of Gattefosse), polyoxyethylene (35) castor oil and polyoxyethylene (40) hydrogenated castor oil; polyoxyethylene alkyl ethers, for example polyoxyethylene (20) cetostearyl ether, polyoxyethylene fatty acid esters, for example polyoxyethylene (40) stearate, polyoxyethylene sorbitan esters, for example polysorbate 20 and polysorbate 80 (e.g., TweenTM 80 of ICI), propylene glycol fatty acid esters, for example propylene glycol laurate (e.g., LauroglycolTM of Gattefosse), sodium lauryl sulfate, fatty acids and salts thereof, for example oleic acid, sodium oleate and triethanolamine oleate, glyceryl fatty acid esters, for example glyceryl monostearate, sorbitan esters, for example sorbitan monolaurate, sorbitan monooleate, sorbitan monopalmitate and sorbitan monostearate, tyloxapol, and mixtures thereof. Such wetting agents, if present, constitute in total about 0.25% to about 15%, preferably about 0.4% to about 10%, and more preferably about 0.5% to about 5%, of the total weight of the pharmaceutical composition.

Wetting agents that are anionic surfactants are preferred. Sodium lauryl sulfate is a particularly preferred wetting agent. Sodium lauryl sulfate, if present, constitutes about 0.25% to about 7%, more preferably about 0.4% to about 4%, and still more preferably about 0.5% to about 2%, of the total weight of the pharmaceutical composition.

Pharmaceutical compositions of the invention optionally comprise one or more pharmaceutically acceptable lubricants (including anti-adherents and/or glidants) as excipients. Suitable lubricants include, but are not limited to, either individually or in combination, glyceryl behapate (e.g., CompritolTM 888 of Gattefosse); stearic acid and

salts thereof, including magnesium, calcium and sodium stearates; hydrogenated vegetable oils (e.g., SterotexTM of Abitec); colloidal silica; talc; waxes; boric acid; sodium benzoate; sodium acetate; sodium fumarate; sodium chloride; DL-leucine; PEG (e.g., CarbowaxTM 4000 and CarbowaxTM 6000 of the Dow Chemical Company); sodium oleate; sodium lauryl sulfate; and magnesium lauryl sulfate. Such lubricants, if present, constitute in total about 0. 1% to about 10%, preferably about 0.2% to about 8%, and more preferably about 0.25% to about 5%, of the total weight of the pharmaceutical composition.

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Magnesium stearate is a preferred lubricant used, for example, to reduce friction between the equipment and granulated mixture during compression of tablet formulations.

Suitable anti-adherents include, but are not limited to, talc, cornstarch, DL-leucine, sodium lauryl sulfate and metallic stearates. Talc is a preferred anti-adherent or glidant used, for example, to reduce formulation sticking to equipment surfaces and also to reduce static in the blend. Talc, if present, constitutes about 0.1% to about 10%, more preferably about 0.25% to about 5%, and still more preferably about 0.5% to about 2%, of the total weight of the pharmaceutical composition.

Glidants can be used to promote powder flow of a solid formulation. Suitable glidants include, but are not limited to, colloidal silicon dioxide, starch, talc, tribasic calcium phosphate, powdered cellulose and magnesium trisilicate. Colloidal silicon dioxide is particularly preferred.

Other excipients such as colorants, flavors and sweeteners are known in the pharmaceutical art and can be used in pharmaceutical compositions of the present invention. Tablets can be coated, for example with an enteric coating, or uncoated. Compositions of the invention can further comprise, for example, buffering agents.

Optionally, one or more effervescent agents can be used as disintegrants and/or to enhance organoleptic properties of pharmaceutical compositions of the invention. When present in pharmaceutical compositions of the invention to promote dosage form disintegration, one or more effervescent agents are preferably present in a total amount of about 30% to about 75%, and preferably about 45% to about 70%, for example about 60%, by weight of the pharmaceutical composition.

According to a particularly preferred embodiment of the invention, an effervescent agent, present in a solid dosage form in an amount less than that effective to promote disintegration of the dosage form, provides improved dispersion of the API

in an aqueous medium. Without being bound by theory, it is believed that the effervescent agent is effective to accelerate dispersion of the API from the dosage form in the gastrointestinal tract, thereby further enhancing absorption and rapid onset of therapeutic effect. When present in a pharmaceutical composition of the invention to promote intragastrointestinal dispersion but not to enhance disintegration, an effervescent agent is preferably present in an amount of about 1% to about 20%, more preferably about 2.5% to about 15%, and still more preferably about 5% to about 10%, by weight of the pharmaceutical composition.

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An "effervescent agent" herein is an agent comprising one or more compounds which, acting together or individually, evolve a gas on contact with water. The gas evolved is generally oxygen or, most commonly, carbon dioxide. Preferred effervescent agents comprise an acid and a base that react in the presence of water to generate carbon dioxide gas. Preferably, the base comprises an alkali metal or alkaline earth metal carbonate or bicarbonate and the acid comprises an aliphatic carboxylic acid.

Non-limiting examples of suitable bases as components of effervescent agents useful in the invention include carbonate salts (e.g., calcium carbonate), bicarbonate salts (e.g., sodium bicarbonate), sesquicarbonate salts, and mixtures thereof. Calcium carbonate is a preferred base.

Non-limiting examples of suitable acids as components of effervescent agents and/or solid organic acids useful in the invention include citric acid, tartaric acid (as D-, L-, or D/L-tartaric acid), malic acid (as D-, L-, or DL-malic acid), maleic acid, fumaric acid, adipic acid, succinic acid, acid anhydrides of such acids, acid salts of such acids, and mixtures thereof. Citric acid is a preferred acid.

In a preferred embodiment of the invention, where the effervescent agent comprises an acid and a base, the weight ratio of the acid to the base is about 1:100 to about 100:1, more preferably about 1:50 to about 50:1, and still more preferably about 1:10 to about 10:1. In a further preferred embodiment of the invention, where the effervescent agent comprises an acid and a base, the ratio of the acid to the base is approximately stoichiometric.

Excipients which solubilize APIs typically have both hydrophilic and hydrophobic regions, or are preferably amphiphilic or have amphiphilic regions. One type of amphiphilic or partially-amphiphilic excipient comprises an amphiphilic polymer or is an amphiphilic polymer. A specific amphiphilic polymer is a polyalkylene glycol, which is commonly comprised of ethylene glycol and/or propylene

glycol subunits. Such polyalkylene glycols can be esterified at their termini by a carboxylic acid, ester, acid anhyride or other suitable moiety. Examples of such excipients include poloxamers (symmetric block copolymers of ethylene glycol and propylene glycol; e.g., poloxamer 237), polyalkyene glycolated esters of tocopherol (including esters formed from a di- or multi-functional carboxylic acid; e.g., d-alphatocopherol polyethylene glycol-1000 succinate), and macrogolglycerides (formed by alcoholysis of an oil and esterification of a polyalkylene glycol to produce a mixture of mono-, di- and tri-glycerides and mono- and di-esters; e.g., stearoyl macrogol-32 glycerides). Such pharmaceutical compositions are advantageously administered orally.

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Pharmaceutical compositions of the present invention can comprise about 10 % to about 50 %, about 25 % to about 50 %, about 30 % to about 45 %, or about 30 % to about 35 % by weight of a co-crystal; about 10 % to about 50 %, about 25 % to about 50 %, about 30 % to about 45 %, or about 30 % to about 35 % by weight of an excipient which inhibits crystallization in aqueous solution, in simulated gastric fluid, or in simulated intestinal fluid; and about 5 % to about 50 %, about 10 % to about 40 %, about 15 % to about 35 %, or about 30 % to about 35 % by weight of a binding agent. In one example, the weight ratio of the co-crystal to the excipient which inhibits crystallization to binding agent is about 1 to 1 to 1.

Solid dosage forms of the invention can be prepared by any suitable process, not limited to processes described herein.

An illustrative process comprises (a) a step of blending an API of the invention with one or more excipients to form a blend, and (b) a step of tableting or encapsulating the blend to form tablets or capsules, respectively.

In a preferred process, solid dosage forms are prepared by a process comprising (a) a step of blending a co-crystal of the invention with one or more excipients to form a blend, (b) a step of granulating the blend to form a granulate, and (c) a step of tableting or encapsulating the blend to form tablets or capsules respectively. Step (b) can be accomplished by any dry or wet granulation technique known in the art, but is preferably a dry granulation step. A salt of the present invention is advantageously granulated to form particles of about 1 micrometer to about 100 micrometer, about 5 micrometer to about 50 micrometer, or about 10 micrometer to about 25 micrometer. One or more diluents, one or more disintegrants and one or more binding agents are preferably added, for example in the blending step, a wetting agent can optionally be added, for example in the granulating step, and one or more disintegrants are preferably

added after granulating but before tableting or encapsulating. A lubricant is preferably added before tableting. Blending and granulating can be performed independently under low or high shear. A process is preferably selected that forms a granulate that is uniform in API content, that readily disintegrates, that flows with sufficient ease so that weight variation can be reliably controlled during capsule filling or tableting, and that is dense enough in bulk so that a batch can be processed in the selected equipment and individual doses fit into the specified capsules or tablet dies.

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In an alternative embodiment, solid dosage forms are prepared by a process that includes a spray drying step, wherein an API is suspended with one or more excipients in one or more sprayable liquids, preferably a non-protic (e.g., non-aqueous or non-alcoholic) sprayable liquid, and then is rapidly spray dried over a current of warm air.

A granulate or spray dried powder resulting from any of the above illustrative processes can be compressed or molded to prepare tablets or encapsulated to prepare capsules. Conventional tableting and encapsulation techniques known in the art can be employed. Where coated tablets are desired, conventional coating techniques are suitable.

Excipients for tablet compositions of the invention are preferably selected to provide a disintegration time of less than about 30 minutes, preferably about 25 minutes or less, more preferably about 20 minutes or less, and still more preferably about 15 minutes or less, in a standard disintegration assay.

Pharmaceutically acceptable co-crystals can be administered by controlled- or delayed-release means. Controlled-release pharmaceutical products have a common goal of improving drug therapy over that achieved by their non-controlled release counterparts. Ideally, the use of an optimally designed controlled-release preparation in medical treatment is characterized by a minimum of drug substance being employed to cure or control the condition in a minimum amount of time. Advantages of controlled-release formulations include: 1) extended activity of the drug; 2) reduced dosage frequency; 3) increased patient compliance; 4) usage of less total drug; 5) reduction in local or systemic side effects; 6) minimization of drug accumulation; 7) reduction in blood level fluctuations; 8) improvement in efficacy of treatment; 9) reduction of potentiation or loss of drug activity; and 10) improvement in speed of control of diseases or conditions. Kim, Cherng-ju, Controlled Release Dosage Form Design, 2 (Technomic Publishing, Lancaster, Pa.: 2000).

Conventional dosage forms generally provide rapid or immediate drug release from the formulation. Depending on the pharmacology and pharmacokinetics of the drug, use of conventional dosage forms can lead to wide fluctuations in the concentrations of the drug in a patient's blood and other tissues. These fluctuations can impact a number of parameters, such as dose frequency, onset of action, duration of efficacy, maintenance of therapeutic blood levels, toxicity, side effects, and the like. Advantageously, controlled-release formulations can be used to control a drug's onset of action, duration of action, plasma levels within the therapeutic window, and peak blood levels. In particular, controlled- or extended-release dosage forms or formulations can be used to ensure that the maximum effectiveness of a drug is achieved while minimizing potential adverse effects and safety concerns, which can occur both from under dosing a drug (i.e., going below the minimum therapeutic levels) as well as exceeding the toxicity level for the drug.

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Most controlled-release formulations are designed to initially release an amount of drug (active ingredient) that promptly produces the desired therapeutic effect, and gradually and continually release other amounts of drug to maintain this level of therapeutic or prophylactic effect over an extended period of time. In order to maintain this constant level of drug in the body, the drug must be released from the dosage form at a rate that will replace the amount of drug being metabolized and excreted from the body. Controlled-release of an active ingredient can be stimulated by various conditions including, but not limited to, pH, ionic strength, osmotic pressure, temperature, enzymes, water, and other physiological conditions or compounds.

A variety of known controlled- or extended-release dosage forms, formulations, and devices can be adapted for use with the co-crystals and compositions of the invention. Examples include, but are not limited to, those described in U.S. Pat. Nos.: 3,845,770; 3,916,899; 3,536,809; 3,598,123; 4,008,719; 5,674,533; 5,059,595; 5,591,767; 5,120,548; 5,073,543; 5,639,476; 5,354,556; 5,733,566; and 6,365,185 B1; each of which is incorporated herein by reference. These dosage forms can be used to provide slow or controlled-release of one or more active ingredients using, for example, hydroxypropylmethyl cellulose, other polymer matrices, gels, permeable membranes, osmotic systems (such as OROS® (Alza Corporation, Mountain View, Calif. USA)), multilayer coatings, microparticles, liposomes, or microspheres or a combination thereof to provide the desired release profile in varying proportions. Additionally, ion exchange

materials can be used to prepare immobilized, adsorbed co-crystals and thus effect controlled delivery of the drug. Examples of specific anion exchangers include, but are not limited to, Duolite® A568 and Duolite® AP143 (Rohm & Haas, Spring House, PA. USA).

One embodiment of the invention encompasses a unit dosage form which comprises a pharmaceutically acceptable co-crystal, or a solvate, hydrate, dehydrate, anhydrous, or amorphous form thereof, and one or more pharmaceutically acceptable excipients or diluents, wherein the pharmaceutical composition or dosage form is formulated for controlled-release. Specific dosage forms utilize an osmotic drug delivery system.

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A particular and well-known osmotic drug delivery system is referred to as OROS® (Alza Corporation, Mountain View, Calif. USA). This technology can readily be adapted for the delivery of compounds and compositions of the invention. Various aspects of the technology are disclosed in U.S. Pat. Nos. 6,375,978 B1; 6,368,626 B1; 6,342,249 B1; 6,333,050 B2; 6,287,295 B1; 6,283,953 B1; 6,270,787 B1; 6,245,357 B1; and 6,132,420; each of which is incorporated herein by reference. Specific adaptations of OROS® that can be used to administer compounds and compositions of the invention include, but are not limited to, the OROS® Push-PullTM, Delayed Push-PullTM, Multi-Layer Push-PullTM, and Push-StickTM Systems, all of which are well known. See, e.g., http://www.alza.com. Additional OROS® systems that can be used for the controlled oral delivery of compounds and compositions of the invention include OROS®-CT and L-OROS®. Id.; see also, Delivery Times, vol. II, issue II (Alza Corporation).

Conventional OROS® oral dosage forms are made by compressing a drug powder (e.g. co-crystal) into a hard tablet, coating the tablet with cellulose derivatives to form a semi-permeable membrane, and then drilling an orifice in the coating (e.g., with a laser). Kim, Cherng-ju, Controlled Release Dosage Form Design, 231-238 (Technomic Publishing, Lancaster, Pa.: 2000). The advantage of such dosage forms is that the delivery rate of the drug is not influenced by physiological or experimental conditions. Even a drug with a pH-dependent solubility can be delivered at a constant rate regardless of the pH of the delivery medium. But because these advantages are provided by a build-up of osmotic pressure within the dosage form after administration, conventional OROS® drug delivery systems cannot be used to effectively deliver drugs with low water solubility. Id. at 234. Because co-crystals of this invention can be far

more soluble in water than the API itself, they are well suited for osmotic-based delivery to patients. This invention does, however, encompass the incorporation of conventional crystalline API (e.g. pure API without co-crystal former), and non-salt isomers and isomeric mixtures thereof, into OROS® dosage forms.

A specific dosage form of the invention comprises: a wall defining a cavity, the wall having an exit orifice formed or formable therein and at least a portion of the wall being semipermeable; an expandable layer located within the cavity remote from the exit orifice and in fluid communication with the semipermeable portion of the wall; a dry or substantially dry state drug layer located within the cavity adjacent to the exit orifice and in direct or indirect contacting relationship with the expandable layer; and a flow-promoting layer interposed between the inner surface of the wall and at least the external surface of the drug layer located within the cavity, wherein the drug layer comprises a co-crystal, or a solvate, hydrate, dehydrate, anhydrous, or amorphous form thereof. See U.S. Pat. No. 6,368,626, the entirety of which is incorporated herein by reference.

Another specific dosage form of the invention comprises: a wall defining a cavity, the wall having an exit orifice formed or formable therein and at least a portion of the wall being semipermeable; an expandable layer located within the cavity remote from the exit orifice and in fluid communication with the semipermeable portion of the wall; a drug layer located within the cavity adjacent the exit orifice and in direct or indirect contacting relationship with the expandable layer; the drug layer comprising a liquid, active agent formulation absorbed in porous particles, the porous particles being adapted to resist compaction forces sufficient to form a compacted drug layer without significant exudation of the liquid, active agent formulation, the dosage form optionally having a placebo layer between the exit orifice and the drug layer, wherein the active agent formulation comprises a co-crystal, or a solvate, hydrate, dehydrate, anhydrous, or amorphous form thereof. See U.S. Pat. No. 6,342,249, the entirety of which is incorporated herein by reference.

The invention will now be described in further detail, by way of example, with reference to the accompanying drawings.

EXEMPLIFICATION

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General Methods for the Preparation of Co-Crystals

- a) High Throughput crystallization using the CrystalMax platform
- 5 CrystalMaxTM comprises a sequence of automated, integrated high throughput robotic stations capable of rapid generation, identification and characterization of polymorphs, salts, and co-crystals of APIs and API candidates. Worksheet generation and combinatorial mixture design is carried out using proprietary design software InFormTM . Typically, an API or an API candidate is dispensed from an organic solvent into tubes 10 and dried under a stream of nitrogen. Salts and/or co-crystal formers may also be dispensed and dried in the same fashion. Water and organic solvents may be combinatorially dispensed into the tubes using a multi-channel dispenser. Each tube in a 96-tube array is then sealed within 15 seconds of combinatorial dispensing to avoid solvent evaporation. The mixtures are then rendered supersaturated by heating to 70 15 degrees C for 2 hours followed by a 1 degree C/minute cooling ramp to 5 degrees C. Optical checks are then conducted to detect crystals and/or solid material. Once a solid has been identified in a tube, it is isolated through aspiration and drying. Raman spectra are then obtained on the solids and cluster classification of the spectral patterns is performed using proprietary software (QFormTM).
- b) Crystallization from solution
 Co-crystals may be obtained by dissolving the separate components in a solvent and adding one to the other. The co-crystal may then precipitate or crystallize as the solvent mixture is evaporated slowly. The co-crystal may also be obtained by dissolving the

two components in the same solvent or a mixture of solvents.

25 c) Crystallization from the melt

A co-crystal may be obtained by melting the two components together and allowing recrystallization to occur. In some cases, an anti-solvent may be added to facilitate crystallization.

- d) Thermal microscopy
- A co-crystal may be obtained by melting the higher melting component on a glass slide and allowing it to recrystallize. The second component is then melted and is also allowed to recrystallize. The co-crystal may form as a separated phase/band in between the eutectic bands of the two original components.
 - e) Mixing and/or grinding

A co-crystal may be obtained by mixing or grinding two components together in the solid state.

Analytical Methods

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Procedure for DSC analysis

DSC analysis of the samples was performed using a Q1000 Differential Scanning Calorimeter (TA Instruments, New Castle, DE, U.S.A.), which uses Advantage for QW-Series, version 1.0.0.78, Thermal Advantage Release 2.0 (82001 TA Instruments-Water LLC). In addition, the analysis software used was Universal Analysis 2000 for Windows 95/95/2000/NT, version 3.1E;Build 3.1.0.40 (82001 TA Instruments-Water LLC).

15 For the DSC analysis, the purge gas used was dry nitrogen, the reference material was an empty aluminum pan that was crimped, and the sample purge was 50 mL/minute.

DSC analysis of the sample was performed by placing ≤ 2 mg of sample in an aluminum pan with a crimped pan closure. The starting temperature was typically 20 degrees C with a heating rate of 10 degrees C/minute, and the ending temperature was 300 degrees C. Unless otherwise indicated, all reported transitions are as stated ± 1.0 degrees C.

Procedure for TGA analysis

TGA analysis of samples was performed using a Q500 Thermogravimetric Analyzer

(TA Instruments, New Castle, DE, U.S.A.), which uses Advantage for QW-Series, version 1.0.0.78, Thermal Advantage Release 2.0 (82001 TA Instruments-Water LLC). In addition, the analysis software used was Universal Analysis 2000 for Windows 95/95/2000/NT, version 3.1E;Build 3.1.0.40 (82001 TA Instruments-Water LLC).

For all of the TGA experiments, the purge gas used was dry nitrogen, the balance purge was 40 mL/minute N₂, and the sample purge was 60 mL/minute N₂.

TGA of the sample was performed by placing $\leq 2\,$ mg of sample in a platinum pan. The starting temperature was typically 20 degrees C with a heating rate of 10 degrees C/minute, and the ending temperature was 300 degrees C.

5 Procedure for PXRD analysis

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A powder X-ray diffraction pattern for the samples was obtained using a D/Max Rapid, Contact (Rigaku/MSC, The Woodlands, TX, U.S.A.), which uses as its control software RINT Rapid Control software, Rigaku Rapid/XRD, version 1.0.0 (81999 Rigaku Co.). In addition, the analysis software used were RINT Rapid display software, version 1.18 (Rigaku/MSC), and JADE XRD Pattern Processing, versions 5.0 and 6.0 ((81995-2002, Materials Data, Inc.).

For the PXRD analysis, the acquisition parameters were as follows: source was Cu with a K line at 1.5406Å; x-y stage was manual; collimator size was 0.3 or 0.8 mm; capillary tube (Charles Supper Company, Natick, MA, U.S.A.) was 0.3 mm ID; reflection mode was used; the power to the X-ray tube was 46 kV; the current to the X-ray tube was 40 mA; the omega-axis was oscillating in a range of 0-5 degrees at a speed of 1 degree/minute; the phi-axis was spinning at an angle of 360 degrees at a speed of 2 degrees/second; 0.3 or 0.8 mm collimator; the collection time was 60 minutes; the temperature was room temperature; and the heater was not used. The sample was presented to the X-ray source in a boron rich glass capillary.

In addition, the analysis parameters were as follows: the integration 2-theta range was 2-40 or 60 degrees; the integration chi range was 0-360 degrees; the number of chi segments was 1; the step size used was 0.02; the integration utility was cylint; normalization was used; dark counts were 8; omega offset was 180; and chi and phi offsets were 0.

The relative intensity of peaks in a diffractogram is not necessarily a limitation of the PXRD pattern because peak intensity can vary from sample to sample, e.g., due to crystalline impurities. Further, the angles of each peak can vary by about +/- 0.1 degrees, preferably +/-0.05. The entire pattern or most of the pattern peaks may also shift by about +/- 0.1 degree due to differences in calibration, settings, and other variations from instrument to instrument and from operator to operator.

Procedure for Raman Acquisition, Filtering and Binning

Acquisition

The sample was either left in the glass vial in which it was processed or an aliquot of the sample was transferred to a glass slide. The glass vial or slide was positioned in the sample chamber. The measurement was made using an AlmegaTM Dispersive Raman (AlmegaTM Dispersive Raman, Thermo-Nicolet, 5225 Verona Road, Madison, WI 53711-4495) system fitted with a 785nm laser source. The sample was manually brought into focus using the microscope portion of the apparatus with a 10x power objective (unless otherwise noted), thus directing the laser onto the surface of the sample. The spectrum was acquired using the parameters outlined in Table A. (Exposure times and number of exposures may vary; changes to parameters will be indicated for each acquisition.)

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Filtering and Binning

Each spectrum in a set was filtered using a matched filter of feature size 25 to remove background signals, including glass contributions and sample fluorescence. This is particularly important as large background signal or fluorescence limit the ability to accurately pick and assign peak positions in the subsequent steps of the binning process. Filtered spectra were binned using the peak pick and bin algorithm with the parameters given in Table B. The sorted cluster diagrams for each sample set and the corresponding cluster assignments for each spectral file were used to identify groups of samples with similar spectra, which was used to identify samples for secondary analyses.

Table A. Raman Spectral acquisition parameters

Parameter	Setting Used
Exposure time (s)	2.0
Number of exposures	10
Laser source wavelength (nm)	785
Laser power (%)	100
Aperture shape	pin hole
Aperture size (um)	100
Spectral range	104-3428
Grating position	Single
Temperature at acquisition (degrees C)	24.0

Table B. Raman Filtering and Binning Parameters

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Parameter	Setting Used
Filtering Parameters	
Filter type	Matched
Filter size	25
QC Parameters	
Peak Height Threshold	1000
Region for noise test (cm ⁻¹)	0-10000
RMS noise threshold	10000
Automatically eliminate	Yes
failed spectra	
Region of Interest	
Include (cm ⁻¹)	104-3428
Exclude region I (cm ⁻¹)	
Exclude region II (cm ⁻¹)	
Exclude region III (cm ⁻¹)	
Exclude region IV (cm ⁻¹)	
Peak Pick Parameters	
Peak Pick Sensitivity	Variable
Peak Pick Threshold	100
Peak Comparison Parameters	
Peak Window (cm ⁻¹)	2
Analysis Parameters	
Number of clusters	Variable

Procedure for Single Crystal X-Ray Diffraction

10 Single crystal x-ray data were collected on a Bruker SMART-APEX CCD diffractometer (M. J. Zawarotko, Department of Chemistry, University of South Florida). Lattice parameters were determined from least squares analysis. Reflection

data was integrated using the program SAINT. The structure was solved by direct methods and refined by full matrix least squares using the program SHELXTL (Sheldrick, G. M. SHELXTL, Release 5.03; Siemans Analytical X-ray Instruments Inc.: Madison, WI).

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The co-crystals of the present invention can be characterized, e.g., by the TGA or DSC data or by any one, any two, any three, any four, any five, any six, any seven, any eight, any nine, any ten, or any single integer number of PXRD 2-theta angle peaks or Raman shift peaks listed herein or disclosed in a figure, or by single crystal x-ray diffraction data.

Example 1

1:1 carbamazepine:saccharin co-crystals (Form I) were prepared. A 12-block experiment was designed with 12 solvents. 1152 crystallization experiments were carried out using the CMAX platform. The co-crystal was obtained from a mixture of isopropyl acetate and heptane. Detailed characterization of the co-crystal is listed in Table V. (See Figs. 1 and 2)

Example 2

1:1 carbamazepine:nicotinamide co-crystals (Form I) were prepared. A 12-block experiment was designed with 12 solvents. 1152 crystallization experiments were carried out using the CMAX platform. The co-crystal was obtained from samples containing toluene, acetone, or isopropyl acetate. Detailed characterization of the cocrystal is listed in Table V. (See Figs. 3 and 4)

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Example 3

1:1 carbamazepine:trimesic acid co-crystals (Form I) were prepared. A 9-block experiment was designed with 10 solvents. 864 crystallization experiments with 8 cocrystal formers and 3 concentrations were carried out using the CMAX platform. The co-crystal was obtained from samples containing methanol. Detailed characterization of the co-crystal is listed in Table V. (See Fig. 5)

Example 4

1:1 celecoxib:nicotinamide co-crystals were prepared. Celecoxib (100 mg, 0.26 mmol) and nicotinamide (32.0 mg, 0.26 mmol) were each dissolved in acetone (2 mL). The two solutions were mixed and the resulting mixture was allowed to evaporate slowly overnight. The precipitated solid was collected and characterized. Detailed characterization of the co-crystal is listed in Table V.

Example 5

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Co-crystals of topiramate and 18-crown-6 were prepared. An equimolar amount of topiramate and 18-crown-6 were dissolved in ether separately. The solution containing topiramate was then added to the solution containing 18-crown-6. A white solid precipitated after minor agitation and was collected and dried. Detailed characterization of the co-crystal is listed in Table V. (See Figs. 6 and 7)

15 Example 6

Co-crystals of olanzapine and nicotinamide (Form I and II) were prepared. A 9-block experiment was designed with 12 solvents. 864 crystallization experiments with 10 co-crystal formers and 3 concentrations were carried out using the CMAX platform. The co-crystal was obtained from tubes containing isopropyl acetate. PXRD and DSC characterization of the co-crystal (Form I and II) is listed in Table V. (See Figs. 8, 9, and 30)

Example 7

Co-crystals of celecoxib and 18-crown-6 were prepared. A solution of celecoxib (157.8 mg, 0.4138 mmol) in Et₂O (10.0 mL) was added to 18-crown-6 (118.1 mg, 0.447 mmol). The opaque solid dissolves immediately and a white solid subsequently began to crystallize very rapidly. The solid was collected via filtration and was washed with additional Et₂O (5 mL). Detailed characterization of the co-crystal is listed in Table V. (See Figs. 10 and 11)

Example 8

Co-crystals of itraconazole and succinic acid were prepared. Approximately 51.1 mg of *cis*-itraconazole free base, 0.75 mL of THF, and a magnetic stir bar were charged into a screw cap vial, heated to reflux to dissolve, and then the vial was closed with the screw

cap and placed on top of a hot plate maintained at a temperature between 60 and 75 degrees C. A solution of 77.7 mg of succinic acid in 1.58 mL of THF was prepared. 0.20 mL of the succinic acid solution was added to the cis-itraconazole solution and the solution remained clear. 0.75 mL of iso-propylacetate was added and the solution was seeded with <1 mg of the L-tartaric acid co-crystal salt from Example 10 below. The heat was turned off and the sample crystallized as it cooled to room temperature. The cooled sample was suction filtered. It was rinsed with 0.2-0.3 mL of THF. The filter cake was broken-up and allowed to air-dry for 1 hour prior to analysis. (See Figs. 12 and 13)

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Example 9

Co-crystals of itraconazole and fumaric acid were prepared. Approximately 500 mg of *cis*-itraconazole free base was placed in a 50 mL screw top bottle along with 33.33 mL of tetrahydrofuran (THF). 3.0887 mL of fumaric acid stock solution (prepared in Example 1) was then added to the beaker (resulting in a 1.05:1 ratio of salt former to free base). The cap was screwed on to seal the bottle and the bottle was placed in a 70 degrees C oven (Model # 1400E, VWR Scientific) and heated for approximately 1 hour. Thereafter, the bottle was removed from the oven, the cap from the bottle was removed, and the sample was allowed to evaporate under flowing air under ambient conditions. When all but about 5 mL of the solvent had evaporated, the remaining solvent was removed by decantation and the solid was isolated by filtering over a Whatman filter using suction. This solid was returned back into the 50 mL bottle with the remaining solid and the bottle was placed into the vacuum oven at approximately 25 mm Hg and the solid was allowed to dry for 4 days prior to analysis. (See Figs. 14 and 15)

Example 10

Co-crystals of itraconazole and tartaric acid were prepared. Approximately 100.4 mg of *cis*-itraconazole free base, 0.90 mL of THF, and a magnetic stir bar were charged into a screw cap vial, heated to reflux to dissolve, and then the vial was closed with the screw cap and placed in an oil bath maintained at 70 degrees C. A solution of 138.5 mg of L(+) tartaric acid in 1.15 mL of THF was prepared. 0.21 mL of the L(+)tartaric acid solution was added to the cis-itraconazole solution and the solution

remained clear. 0.90 mL of iso-propylacetate was added and the solution was seeded with <1 mg of the salt from a preparation of DL-tartaric acid co-crystal. The sample was allowed to crystallize over about 5 minutes in the 70 degrees C oil bath before it was removed and allowed to cool to room temperature. The cooled sample was suction filtered. It was rinsed with 0.2-0.3 mL of THF. The filter cake was broken-up and allowed to air-dry for 4 hours prior to analysis. (See Figs. 16 and 17)

Example 11

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Co-crystals of itraconazole and malic acid were prepared. To prepare the L-malic acid co-crystal salt of *cis*-itraconazole, 100.4 mg of *cis*-itraconazole free base, 0.50 mL of THF, and a magnetic stir bar were charged into a screw cap vial. A solution of 191.3 mg of L(-)malic acid in 5.0 mL of THF was prepared. 0.50 mL of the L-malic acid solution was added to the vial containing cis-itraconazole and the solution was heated with a heat gun to dissolve. The solution was allowed to cool and was then seeded with <1 mg of the salt from *cis*-itraconazole-L-tartaric acid co-crystal. The cooled crystals were filtered in a centrifuge filter tube. The filter cake was broken-up and allowed to air-dry prior to analysis. (See Figs. 18 and 19)

Example 12

Co-crystals of itraconazole HCl and tartaric acid were prepared. Approximately 212.7mg of L-tartaric acid and 118 microL of 37% HCl were dissolved in 25 mL of hot dioxane. This solution was added to 1.0 g of *cis*-itraconazole dissolved in 50 mL of hot dioxane with stirring. The mixture was heated until a clear solution formed and was then allowed to cool to room temperature. Upon cooling, 50 mL tert-butyl methyl ether was added and the crystals were harvested by vacuum filtration on a Buchner funnel with #4 Whatman filter paper. The crystals were washed 3 times with 5 mL aliquots of cold tert-butyl methyl ether and left to air dry. Approximately 573 mg of a crystalline form of cis-itraconazole HCl-tartaric acid (1:1:0.5) co-crystal were obtained. (See Figs. 20 and 21)

Example 13

Co-crystals of modafinil and malonic acid were prepared. Using a 250 mg/ml modafinil-acetic acid solution, malonic acid was dissolved on a hotplate (about 67 degrees C) at a 1:2 modafinil to malonic acid ratio. The mixture was dried under flowing nitrogen overnight. A powdery white solid was produced. After further drying for 1 day, acetic acid is removed (as determined by TGA) and the crystal structure, as determined by PXRD, remains the same. (See Fig. 22)

Example 14

Example 15

10 Co-crystals of modafinil and benzamide were prepared. Modafinil (1 mg, 0.0037mmol) and benzamide (0.45 mg, 0.0037 mmol) were dissolved in 1,2-dichloroethane (400 microL). The solution was allowed to evaporate to dryness and the resulting solid was characterized using PXRD. PXRD data for the co-crystal is listed in Table V. (See Fig. 23)

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Co-crystals of modafinil and mandelic acid were prepared. Modafinil (1 mg, 0.0037mmol) and mandelic acid (0.55 mg, 0.0037 mmol) were dissolved in acetone (400 microL). The solution was allowed to evaporate to dryness and the resulting solid was characterized using PXRD. PXRD data for the co-crystal is listed in Table V. (See Fig. 24)

Example 16

Co-crystals of modafinil and glycolic acid were prepared. Modafinil (1 mg, 0.0037mmol) and glycolic acid (0.30 mg, 0.0037 mmol) were dissolved in acetone (400 microL). The solution was allowed to evaporate to dryness and the resulting solid was characterized using PXRD. PXRD data for the co-crystal is listed in Table V. (See Fig. 25)

30 Example 17

Co-crystals of modafinil and fumaric acid were prepared. Modafinil (1 mg, 0.0037mmol) and fumaric acid (0.42 mg, 0.0037 mmol) were dissolved in 1,2-dichloroethane (400 microL). The solution was allowed to evaporate to dryness and the

resulting solid was characterized using PXRD. PXRD data for the co-crystal is listed in Table V. (See Fig. 26)

Example 18

Co-crystals of modafinil and maleic acid were prepared. Using a 250 mg/ml modafinil-acetic acid solution, maleic acid was dissolved on a hotplate (about 67 degrees C) at a 2:1 modafinil to maleic ratio. The mixture was dried under flowing nitrogen overnight. A clear amorphous material remained. Solids began to grow after 2 days stored in a sealed vial at room temperature. (See Fig. 43)

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Example 19

Co-crystals of olanzapine and nicotinamide (Form III) were prepared. Olanzapine (40 µL of 25 mg/mL stock solution in tetrahydrofuran) and nicotinamide (37.6 µL of 20 mg/mL stock solution in methanol) were added to a glass vial and dried under a flow of nitrogen. To the solid mixture was added isopropyl acetate (100 µL) and the vial was sealed with an aluminum cap. The suspension was then heated at 70 degrees C for two hours in order to dissolve all of the solid material. The solution was then cooled to 5 degrees C and maintained at that temperature for 24 hours. After 24 hours the vial was uncapped and the mixture was concentrated to 50 µL of total volume. The vial was then resealed with an aluminum cap and was maintained at 5 degrees C for an additional 24 hours. Large, yellow plates were observed and were collected (Form III). The solid was characterized with single crystal x-ray diffraction and powder x-ray diffraction. PXRD characterization of the co-crystal is listed in Table V. (See Fig. 31 and 32A-D)

Single crystal x-ray analysis reveals that the olanzapine:nicotinamide (Form III) co-crystal is made up of a ternary system containing olanzapine, nicotinamide, water and isopropyl acetate in the unit cell. The co-crystal crystallizes in the monoclinic space group P2₁/c and contains one olanzapine, one nicotinamide, 4 waters and one isopropyl acetate solvate in the asymmetric unit. The packing diagram is made up of a two-dimensional hydrogen-bonded network with the water molecules connecting the olanzapine and nicotinamide moieties. The packing diagram is also comprised of alternating olanzapine and nicotinamide layers connected through hydrogen bonding via the water and isopropyl acetate molecules, as shown in Figure 32B. The olanzapine layer propagates along the b axis at c/4 and 3c/4. The nicotinamide layer propagates along the b axis at c/2. The top of Figure 32C illustrates the nicotinamide

superstructure. The nicotinamide molecules form dimers which hydrogen bond to chains of 4 water molecules. The water chains terminate with isopropyl acetate molecules on each side.

5 Crystal data: $C_{45}H_{64}N_{10}O_7S_2$, M=921.18, monoclinic P21/c; a=14.0961(12) Å, b=12.5984(10) Å, c=27.219(2) Å, $\alpha=90^\circ$, $\beta=97.396(2)^\circ$, $\gamma=90^\circ$, T=100(2) K, Z=4, $D_c=1.276$ Mg/m³, U=4793.6(7) ų, $\lambda=0.71073$ Å; 24952 reflections measured, 8457 unique ($R_{int}=0.0882$). Final residuals were $R_1=0.0676$, $wR_2=0.1461$ for I>2 σ (I), and $R_1=0.1187$, $wR_2=0.1687$ for all 8457 data.

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Example 20

Co-crystals of 5-fluorouracil and urea were prepared. To 5-fluorouracil (1g, 7.69 mmol) and urea (0.46g, 7.69 mmol) was added methanol (100 mL). The solution was heated at 65 degrees C and sonicated until all the material dissolved. The solution was then cooled to 5 degrees C and maintained at that temperature overnight. After about 3 days a white precipitate was observed and collected. The solid was characterized by DSC, PXRD, Raman spectroscopy, and TGA. Characterization data are listed in Table V. (See Figs. 33- 36)

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Example 21

Co-crystals of hydrochlorothiazide and nicotinic acid were prepared. Hydrochlorothiazide (12.2 mg, 0.041 mmol) and nicotinic acid (5 mg, 0.041 mmol) were dissolved in methanol (1 mL). The solution was then cooled to 5 degrees C and maintained at that temperature for 12 hours. A white solid precipitated and was collected and characterized using PXRD. (See Fig. 37)

Example 22

Co-crystals of hydrochlorothiazide and 18-crown-6 were prepared. Hydrochlorothiazide (100 mg, 0.33 mmol) was dissolved in diethyl ether (15 mL) and was added to a solution of 18-crown-6 (87.2 mg, 0.33 mmol) in diethyl ether (15 mL). A white precipitate immediately began to form and was collected and characterized as the hydrochlorothiazide:18-crown-6 co-crystal using PXRD. (See Fig. 38)

Example 23

Co-crystals of hydrochlorothiazide and piperazine were prepared. Hydrochlorothiazide (17.3 mg, 0.058 mmol) and piperazine (5 mg, 0.058 mmol) were dissolved in a 1:1 mixture of ethyl acetate and acetonitirle (1 mL). The solution was then cooled to 5 degrees C and maintained at that temperature for 12 hours. A white solid precipitated and was collected and characterized using PXRD. (See Fig. 39)

Example 24

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Acetaminophen:4,4'-bipyridine:water (1:1:1 stoichiometry)

50 mg (0.3307 mmol) acetaminophen and 52 mg (0.3329 mmol) 4,4'-bipyridine were dissolved in hot water and allowed to stand. Slow evaporation yielded colorless needles of a 1:1:1 acetaminophen/4,4'-bipyridine/water co-crystal, as shown in Figure 44A-B.

Crystal data: (Bruker SMART-APEX CCD Diffractometer). $C_{36}H_{44}N_2O_4$, 15 M=339.84, triclinic, space group $P\bar{I}$; a = 7.0534(8), b = 9.5955(12), c = 19.3649(2) Å, α = 86.326(2), β = 80.291(2), γ = 88.880(2)°, U = 1308.1(3) ų, T = 200(2) K, Z = 2, μ (Mo-K α) = 0.090 mm⁻¹, D_c = 1.294 Mg/m³, λ = 0.71073 Å, F(000) = 537, $2\theta_{max}$ = 25.02°; 6289 reflections measured, 4481 unique (R_{int} = 0.0261). Final residuals for 344 parameters were R_1 = 0.0751, wR_2 = 0.2082 for I>2 σ (I), and R_1 = 0.1119, WR_2 = 0.2377 for all 4481data.

Crystal packing: The co-crystals contain bilayered sheets in which water molecules act as a hydrogen bonded bridge between the network bipyridine moieties and the acetaminophen. Bipyridine guests are sustained by π - π stacking interactions between two network bipyridines. The layers stack via π - π interactions between the phenyl groups of the acetaminophen moieties.

Differential Scanning Calorimetry: (TA Instruments 2920 DSC), 57.77 degrees C (endotherm); m.p. = 58-60 degrees C (MEL-TEMP); (acetaminophen m.p. = 169 degrees C, 4,4'-bipyridine m.p. = 111-114 degrees C).

30 Example 25

Phenytoin:Pyridone (1:1 stoichiometry)

28 mg (0.1109 mmol) phenytoin and 11 mg (0.1156 mmol) 4-hydroxypyridone were dissolved in 2 mL acetone and 1 mL ethanol with heating and stirring. Slow

evaporation yielded colorless needles of a 1:1 phenytoin/pyridone co-crystal, as shown in Figure 45A-B.

Crystal data: (Bruker SMART-APEX CCD Diffractometer), $C_{20}H_{17}N_3O_3$, M=347.37, monoclinic $P2_I/c$; a=16.6583(19), b=8.8478(10), c=11.9546(14) Å, $\beta=96.618(2)^\circ$, U=1750.2(3) Å³, T=200(2) K, Z=4, $\mu(Mo-K\alpha)=0.091$ mm⁻¹, $D_c=1.318$ Mg/m³, $\lambda=0.71073$ Å, F(000)=728, $2\theta_{max}=56.60^\circ$; 10605 reflections measured, 4154 unique ($R_{int}=0.0313$). Final residuals for 247 parameters were $R_1=0.0560$, $wR_2=0.1356$ for $I>2\sigma(I)$, and $R_1=0.0816$, $wR_2=0.1559$ for all 4154 data.

Crystal packing: The co-crystal is sustained by hydrogen bonding of adjacent phentoin molecules between the carbonyl and the amine closest to the tetrahedral carbon, and by hydrogen bonding between pyridone carbonyl functionalities and the amine not involved in phenytoin-phenytoin interactions. The pyridone carbonyl also hydrogen bonds with adjacent pyridone molecules forming a one-dimensional network.

Infrared Spectroscopy: (Nicolet Avatar 320 FTIR), characteristic peaks for the co-crystal were identified as: 2° amine found at 3311cm⁻¹, carbonyl (ketone) found at 1711cm⁻¹, olephin peak found at 1390cm⁻¹.

Differential Scanning Calorimetry: (TA Instruments 2920 DSC), 233.39 degrees C (endotherm) and 271.33 degrees C (endotherm); m.p. = 231-233 degrees C (MEL-TEMP); (phenytoin m.p. = 295 degrees C, pyridone m.p. = 148 degrees C).

Thermogravimetric Analysis: (TA Instruments 2950 Hi-Resolution TGA), a 29.09% weight loss starting at 192.80 degrees C, 48.72% weight loss starting at 238.27 degrees C, and 18.38% loss starting at 260.17 degrees C followed by complete decomposition.

Powder x-ray diffraction: (Rigaku Miniflex Diffractometer using Cu K α (λ = 1.540562), 30kV, 15mA). The powder data were collected over an angular range of 3° to 40° 20 in continuous scan mode using a step size of 0.02° 20 and a scan speed of 2.0°/minute. PXRD: Showed analogous peaks to the simulated PXRD derived from the single crystal data. In all cases of recrystallization and solid state reaction, experimental (calculated): 5.2 (5.3); 11.1 (11.3); 15.1 (15.2); 16.2 (16.4); 16.7 (17.0); 17.8 (17.9); 19.4 (19.4); 19.8 (19.7); 20.3 (20.1); 21.2 (21.4); 23.3 (23.7); 26.1 (26.4); 26.4 (26.6); 27.3 (27.6); 29.5 (29.9).

Example 26

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Aspirin (acetylsalicylic acid):4,4'-bipyridine (2:1 stoichiometry)

50 mg (0.2775 mmol) aspirin and 22 mg (0.1388 mmol) 4,4'-bipyridine were dissolved in 4 mL hexane. 8 mL ether was added to the solution and allowed to stand for one hour, yielding colorless needles of a 2:1 aspirin/4,4'-bipyridine co-crystal, as shown in Figure 46A-D. Alternatively, aspirin/4,4'-bipyridine (2:1 stoichiometry) can be made by grinding the solid ingredients in a pestle and mortar.

Crystal data: (Bruker SMART-APEX CCD Diffractometer), $C_{28}H_{24}N_2O_8$, M=516.49, orthorhombic *Pbcn*; a=28.831(3), b=11.3861(12), c=8.4144(9) Å, U=2762.2(5) Å³, T=173(2) K, Z=4, $\mu(\text{Mo-K}\alpha)=0.092$ mm⁻¹, $D_c=1.242$ Mg/m³, $\lambda=0.71073$ Å, F(000)=1080, $2\theta_{\text{max}}=25.02^\circ$; 12431 reflections measured, 2433 unique ($R_{\text{int}}=0.0419$). Final residuals for 202 parameters were $R_1=0.0419$, w $R_2=0.1358$ for $I>2\sigma(I)$, and $R_1=0.0541$, w $R_2=0.1482$ for all 2433 data.

Crystal packing: The co-crystal contains the carboxylic acid-pyridine heterodimer that crystallizes in the *Pbcn* space group. The structure is an inclusion compound containing disordered solvent in the channels. In addition to the dominant hydrogen bonding interaction of the heterodimer, π - π stacking of the bipyridine and phenyl groups of the aspirin and hydrophobic interactions contribute to the overall packing interactions.

Infrared Spectroscopy: (Nicolet Avatar 320 FTIR), characteristic (-COOH) peak at 1679 cm⁻¹ was shifted up and less intense at 1694cm⁻¹, where as the lactone peak is shifted down slightly from 1750cm⁻¹ to 1744cm⁻¹.

Differential Scanning Calorimetry: (TA Instruments 2920 DSC), 95.14 degrees C (endotherm); m.p. = 91-96 degrees C (MEL-TEMP); (aspirin m.p. = 1345 degrees C, 4,4'-bipyridine m.p. = 111-114 degrees C).

Thermogravimetric Analysis: (TA Instruments 2950 Hi-Resolution TGA), weight loss of 9% starting at 22.62 degrees C, 49.06% weight loss starting at 102.97 degrees C followed by complete decomposition starting at 209.37 degrees C.

Example 27

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30 Ibuprofen: 4,4'-Bipyridine (2:1 stoichiometry)

50 mg (0.242 mmol) racemic ibuprofen and 18mg (0.0960 mmol) 4,4'-bipyridine were dissolved in 5 mL acetone. Slow evaporation of the solvent yielded colorless needles of a 2:1 ibuprofen/4,4'-bipyridine co-crystal, as shown in Figure 47A-D.

Crystal data: (Bruker SMART-APEX CCD Diffractometer), $C_{36}H_{44}N_2O_4$, M=568.73, triclinic, space group P--I; a=5.759(3), b=11.683(6), c=24.705(11) Å, $\alpha=93.674(11)$, $\beta=90.880(10)$, $\gamma=104.045(7)^\circ$, U=1608.3(13) Å 3 , T=200(2) K, Z=2, $\mu(\text{Mo-K}\alpha)=0.076$ mm $^{-1}$, $D_c=1.174$ Mg/m 3 , $\lambda=0.71073$ Å, F(000)=612, $2\theta_{max}=23.29^\circ$; 5208 reflections measured, 3362 unique ($R_{int}=0.0826$). Final residuals for 399 parameters were $R_1=0.0964$, $wR_2=0.2510$ for $I>2\sigma(I)$, and $R_1=0.1775$, $wR_2=0.2987$ for all 3362 data.

Crystal packing: The co-crystal contains ibuprofen/bipyridine heterodimers, sustained by two hydrogen bonded carboxylic acidpyridine supramolecular synthons, arranged in a herringbone motif that packs in the space group P-I. The heterodimer is an extended version of the homodimer and packs to form a two-dimensional network sustained by π - π stacking of the bipyridine and phenyl groups of the ibuprofen and hydrophobic interactions from the ibuprofen tails.

Infrared Spectroscopy: (Nicolet Avatar 320 FTIR). Analysis observed stretching of aromatic C-H at 2899 cm⁻¹; N--H bending and scissoring at 1886 cm₋₁; C=O stretching at 1679 cm⁻¹; C-H out-of-plane bending for both 4,4'-bipyridine and ibuprofen at 808 cm⁻¹ and 628 cm⁻¹.

Differential Scanning Calorimetry: (TA Instruments 2920 DSC), 64.85 degrees C (endotherm) and 118.79 degrees C (endotherm); m.p. = 113-120 degrees C (MEL-TEMP); (ibuprofen m.p. = 75-77 degrees C, 4.4'-bipyridine m.p. = 111-114 degrees C).

Thermogravimetric Analysis: (TA Instruments 2950 Hi-Resolution TGA), 13.28% weight loss between room temperature and 100.02 degrees C immediately followed by complete decomposition.

Powder x-ray diffraction: (Rigaku Miniflex Diffractometer using Cu K α (λ = 1.540562), 30kV, 15mA). The powder data were collected over an angular range of 3° to 40° 2 θ in continuous scan mode using a step size of 0.02° 2 θ and a scan speed of 2.0°/minute. PXRD derived from the single crystal data, experimental (calculated): 3.4 (3.6); 6.9 (7.2); 10.4 (10.8); 17.3 (17.5); 19.1 (19.7).

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Example 28

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Flurbiprofen:4,4'-bipyridine (2:1 stoichiometry)

50 mg (0.2046 mmol) flurbiprofen and 15 mg (0.0960 mmol) 4,4'-bipyridine were dissolved in 3 mL acetone. Slow evaporation of the solvent yielded colorless needles of a 2:1 flurbiprofen/4,4'-bipyridine co-crystal, as shown in Figure 48A-D.

Crystal data: (Bruker SMART-APEX CCD Diffractometer), $C_{40}H_{34}F_2N_2O_4$, M=644.69, monoclinic $P2_1/n$; a=5.860(4), b=47.49(3), c=5.928(4) Å, $\beta=107.382$ (8)°, U=1574.3(19) ų, T=200(2) K, Z=2, $\mu(\text{Mo-K}\alpha)=0.096$ mm⁻¹, $D_c=1.360$ Mg/m³, $\lambda=0.71073$ Å, F(000)=676, $2\theta_{\text{max}}=21.69^\circ$; 4246 reflections measured, 1634 unique ($R_{\text{int}}=0.0677$). Final residuals for 226 parameters were $R_1=0.0908$, w $R_2=0.2065$ for $I>2\sigma(I)$, and $R_1=0.1084$, w $R_2=0.2209$ for all 1634 data.

Crystal packing: The co-crystal contains flurbiprofen/bipyridine heterodimers, sustained by two hydrogen bonded carboxylic acidpyridine supramolecular synthon, arranged in a herringbone motif that packs in the space group $P2_I/n$. The heterodimer is an extended version of the homodimer and packs to form a two-dimensional network sustained by π - π stacking and hydrophobic interactions of the bipyridine and phenyl groups of the flurbiprofen.

Infrared Spectroscopy: (Nicolet Avatar 320 FTIR), aromatic C-H stretching at 3057 cm⁻¹ and 2981 cm⁻¹; N--H bending and scissoring at 1886 cm⁻¹; C=O stretching at 1690 cm⁻¹; C=C and C=N ring stretching at 1418 cm⁻¹.

Differential Scanning Calorimetry: (TA Instruments 2920 DSC), 162.47 degrees C (endotherm); m.p. = 155-160 degrees C (MEL-TEMP); (flurbiprofen m.p. = 110-111 degrees C, 4,4'-bipyridine m.p. = 111-114 degrees C).

Thermogravimetric Analysis: (TA Instruments 2950 Hi-Resolution TGA), 30.93% weight loss starting at 31.13 degrees C and a 46.26% weight loss starting at 168.74 degrees C followed by complete decomposition.

Powder x-ray diffraction: (Rigaku Miniflex Diffractometer using Cu K α (λ = 1.540562), 30kV, 15mA), the powder data were collected over an angular range of 3° to 40° 20 in continuous scan mode using a step size of 0.02° 20 and a scan speed of 2.0°/minute. PXRD derived from the single crystal data: experimental (calculated): 16.8 (16.8); 17.1 (17.5); 18.1 (18.4); 19.0 (19.0); 20.0 (20.4); 21.3 (21.7); 22.7 (23.0); 25.0 (25.6); 26.0 (26.1); 26.0 (26.6); 26.1 (27.5); 28.2 (28.7); 29.1 (29.7).

Example 29

Flurbiprofen:trans-1,2-bis (4-pyridyl) ethylene (2:1 stoichiometry)

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25 mg (0.1023 mmol) flurbiprofen and 10 mg (0.0548 mmol) trans-1, 2-bis (4-pyridyl) ethylene were dissolved in 3 mL acetone. Slow evaporation of the solvent yielded colorless needles of a 2:1 flurbiprofen/1,2-bis (4-pyridyl) ethylene co-crystal, as shown in Figure 49A-B.

Crystal data: (Bruker SMART-APEX CCD Diffractometer), $C_{42}H_{36}F_2N_2O_4$, M=670.73, monoclinic $P2_1/n$; a=5.8697(9), b=47.357(7), c=6.3587(10) Å, $\beta=109.492(3)^\circ$, U=1666.2(4) Å 3 , T=200(2) K, Z=2, $\mu(Mo-K\alpha)=0.093$ mm $^{-1}$, $D_c=1.337$ Mg/m 3 , $\lambda=0.71073$ Å, F(000)=704, $2\theta_{max}=21.69^\circ$, 6977 reflections measured, 2383 unique ($R_{int}=0.0383$). Final residuals for 238 parameters were $R_1=0.0686$, w $R_2=0.1395$ for $I>2\sigma(I)$, and $R_1=0.1403$, w $R_2=0.1709$ for all 2383 data.

Crystal packing: The co-crystal contains flurbiprofen/1,2-bis (4-pyridyl) ethylene heterodimers, sustained by two hydrogen bonded carboxylic acid-pyridine supramolecular synthons, arranged in a herringbone motif that packs in the space group $P2_1/n$. The heterodimer from 1,2-bis (4-pyridyl) ethylene further extends the homodimer relative to example 28 and packs to form a two-dimensional network sustained by π - π stacking and hydrophobic interactions of the bipyridine and phenyl groups of the flurbiprofen.

Infrared Spectroscopy: (Nicolet Avatar 320 FTIR), aromatic C-H stretching at 2927 cm⁻¹ and 2850 cm⁻¹; N--H bending and scissoring at 1875 cm⁻¹; C=O stretching at 1707 cm⁻¹; C=C and C=N ring stretching at 1483 cm⁻¹.

Differential Scanning Calorimetry: (TA Instruments 2920 DSC), 100.01 degrees C, 125.59 degrees C and 163.54 degrees C (endotherms); m.p. = 153-158 degrees C (MEL-TEMP); (flurbiprofen m.p. = 110-111 degrees C, trans-1, 2-bis (4-pyridyl) ethylene m.p. = 150-153 degrees C).

Thermogravimetric Analysis: (TA Instruments 2950 Hi-Resolution TGA), 91.79% weight loss starting at 133.18 degrees C followed by complete decomposition.

Powder x-ray diffraction: (Rigaku Miniflex Diffractometer using Cu K α (λ = 1.540562), 30kV, 15mA), the powder data were collected over an angular range of 3° to 40° 20 in continuous scan mode using a step size of 0.02° 20 and a scan speed of 2.0°/minute. PXRD derived from the single crystal data, experimental (calculated): 3.6 (3.7); 17.3 (17.7); 18.1 (18.6); 18.4 (18.6); 19.1 (19.3); 22.3 (22.5); 23.8 (23.9); 25.9 (26.4); 28.1 (28.5).

Example 30

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Carbamazepine:p-Phthalaldehyde (1:1 stoichiometry)

25 mg (0.1058 mmol) carbamazepine and 7 mg (0.0521 mmol) *p*-phthalaldehyde were dissolved in approximately 3 mL methanol. Slow evaporation of the solvent yielded colorless needles of a 1:1 carbamazepine/*p*-phthalaldehyde cocrystal, as shown in Figure 50A-B.

Crystal data: (Bruker SMART-APEX CCD Diffractometer), $C_{38}H_{30}N_4O_4$, M=606.66, monoclinic C2/c; a=29.191(16), b=4.962(3), c=20.316(11) Å, $\beta=92.105(8)^{\circ}$, U=2941(3) Å³, T=200(2) K, Z=4, $\mu(\text{Mo-K}\alpha)=0.090$ mm⁻¹, $D_c=1.370$ Mg/m³, $\lambda=0.71073$ Å, F(000)=1272, $2\theta_{\text{max}}=43.66^{\circ}$, 3831 reflections measured, 1559 unique ($R_{\text{int}}=0.0510$). Final residuals for 268 parameters were $R_1=0.0332$, $wR_2=0.0801$ for $I>2\sigma(I)$, and $R_1=0.0403$, $wR_2=0.0831$ for all 1559 data.

Crystal packing: The co-crystals contain hydrogen bonded carboxamide homodimers that crystallize in the space group C2/c. The 1° amines of the homodimer are bifurcated to the carbonyl of the p-phthalaldehyde forming a chain with an adjacent homodimer. The chains pack in a crinkled tape motif sustained by π - π interactions between phenyl rings of the CBZ.

Infrared Spectroscopy: (Nicolet Avatar 320 FTIR). The 1° amine unsymmetrical and symmetrical stretching was shifted down to 3418 cm⁻¹; aliphatic aldehyde and 1° amide C=O stretching was shifted up to 1690 cm⁻¹; N-H in-plane bending at 1669 cm⁻¹; C-H aldehyde stretching at 2861 cm⁻¹ and H-C=O bending at 1391 cm⁻¹.

Differential Scanning Calorimetry: (TA Instruments 2920 DSC), 128.46 degrees C (endotherm), m.p. = 121-124 degrees C (MEL-TEMP), (carbamazepine m.p. = 190.2 degrees C, p-phthalaldehyde m.p. = 116 degrees C).

Thermogravimetric Analysis: (TA Instruments 2950 Hi-Resolution TGA), 17.66% weight loss starting at 30.33 degrees C then a 17.57% weight loss starting at 100.14 degrees C followed by complete decomposition.

Powder x-ray diffraction: (Rigaku Miniflex Diffractometer using Cu K α (λ = 1.540562), 30kV, 15mA). The powder data were collected over an angular range of 3° to 40° 2 θ in continuous scan mode using a step size of 0.02° 2 θ and a scan speed of 2.0°/minute. PXRD derived from the single crystal data, experimental (calculated): 8.5

(8.7); 10.6 (10.8); 11.9 (12.1); 14.4 (14.7) 15.1 (15.2); 18.0 (18.1); 18.5 (18.2); 19.8 (18.7); 23.7 (24.0); 24.2 (24.2); 26.4 (26.7); 27.6 (27.9); 27.8 (28.2); 28.7 (29.1); 29.3 (29.6); 29.4 (29.8).

5 Example 31

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Carbamazepine:nicotinamide (Form II) (1:1 stoichiometry)

25 mg (0.1058 mmol) carbamazepine and 12 mg (0.0982 mmol) nicotinamide were dissolved in 4 mL of DMSO, methanol or ethanol. Slow evaporation of the solvent yielded colorless needles of a 1:1 carbamazepine/nicotinamide co-crystal, as shown in Figure 51.

Using a separate method, 25 mg (0.1058 mmol) carbamazepine and 12 mg (0.0982mmol) nicotinamide were ground together with mortar and pestle. The solid was determined to be 1:1 carbamazepine/nicotinamide microcrystals (PXRD).

Crystal data: (Bruker SMART-APEX CCD Diffractometer), $C_{21}H_{18}N_4O_2$, 15 M=358.39, monoclinic $P2_I/n$; a=5.0961(8), b=17.595(3), c=19.647(3) Å, $\beta=90.917(3)^\circ$, U=1761.5(5) Å³, T=200(2) K, Z=4, $\mu(Mo-K\alpha)=0.090$ mm⁻¹, $D_c=1.351$ Mg/m³, $\lambda=0.71073$ Å, F(000)=752, $2\theta_{max}=56.60^\circ$, 10919 reflections measured, 4041 unique ($R_{int}=0.0514$). Final residuals for 248 parameters were $R_1=0.0732$, $wR_2=0.1268$ for $I>2\sigma(I)$, and $R_1=0.1161$, $wR_2=0.1430$ for all 4041 data.

Crystal packing: The co-crystals contain hydrogen bonded carboxamide homodimers. The 1° amines are bifurcated to the carbonyl of the nicotinamide on each side of the dimer. The 1° amines of each nicotinamide are hydrogen bonded to the carbonyl of the adjoining dimer. The dimers form chains with π - π interactions from the phenyl groups of the CBZ.

Infrared Spectroscopy: (Nicolet Avatar 320 FTIR), unsymmetrical and symmetrical stretching shifts down to 3443 cm⁻¹ and 3388 cm⁻¹ accounting for 1° amines; 1° amide C=O stretching at 1690 cm⁻¹; N-H in-plane bending at 1614 cm⁻¹; C=C stretching shifted down to 1579 cm⁻¹; aromatic H's from 800 cm⁻¹ to 500 cm⁻¹ are present.

Differential Scanning Calorimetry: (TA Instruments 2920 DSC), 74.49 degrees C (endotherm) and 159.05 degrees C (endotherm), m.p. = 153-158 degrees C (MEL-TEMP), (carbamazepine m.p. = 190.2 degrees C, nicotinamide m.p. = 150-160 degrees C).

Thermogravimetric Analysis: (TA Instruments 2950 Hi-Resolution TGA), 57.94% weight loss starting at 205.43 degrees C followed by complete decomposition.

Powder x-ray diffraction: (Rigaku Miniflex Diffractometer using Cu K α (λ = 1.540562), 30kV, 15mA). The powder data were collected over an angular range of 3° to 40° 20 in continuous scan mode using a step size of 0.02° 20 and a scan speed of 2.0°/minute. PXRD: Showed analogous peaks to the simulated PXRD derived from the single crystal data. PXRD analysis experimental (calculated): 6.5 (6.7); 8.8 (9.0); 10.1 (10.3); 13.2 (13.5); 15.6 (15.8); 17.7 (17.9); 17.8 (18.1); 18.3 (18.6); 19.8 (20.1); 20.4 (20.7); 21.6 (22.); 22.6 (22.8); 22.9 (23.2); 26.4 (26.7); 26.7 (27.0); 28.0 (28.4).

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Example 32

Carbamazepine:saccharin (Form II) (1:1 stoichiometry)

25 mg (0.1058mmol) carbamazepine and 19 mg (0.1037 mmol) saccharin were dissolved in approximately 4 mL ethanol. Slow evaporation of the solvent yielded colorless needles of a 1:1 carbamazepine/saccharin cocrystal, as shown in Figure 52. Solubility measurements indicate that this multiple-component crystal of carbamazepine has improved solubility over previously known forms of carbamazepine (e.g., increased molar solubility and longer solubility in aqueous solutions).

Crystal data: (Bruker SMART-APEX CCD Diffractometer), $C_{22}H_{17}N_3O_4S_1$, M=419.45, triclinic P-I; a=7.5140(11), b=10.4538(15), c=12.6826(18) Å, $\alpha=83.642(2)^{\circ}$, $\beta=85.697(2)^{\circ}$, $\gamma=75.411(2)^{\circ}$, U=957.0(2) Å 3 , T=200(2) K, Z=2, μ (Mo-K α) = 0.206 mm $^{-1}$, $D_c=1.456$ Mg/m 3 , $\lambda=0.71073$ Å, F(000)=436, $2\theta_{max}=56.20^{\circ}$; 8426 reflections measured, 4372 unique ($R_{int}=0.0305$). Final residuals for 283 parameters were $R_1=0.0458$, $wR_2=0.1142$ for $I>2\sigma(I)$, and $R_1=0.0562$, $wR_2=0.1204$ for all 4372 data.

Crystal packing: The co-crystals contain hydrogen bonded carboxamide homodimers. The 2° amines of the saccharin are hydrogen bonded to the carbonyl of the CBZ on each side forming a tetramer. The crystal has a space group of P-I with π - π interactions between the phenyl groups of the CBZ and the saccharin phenyl groups.

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Infrared Spectroscopy: (Nicolet Avatar 320 FTIR), unsymmetrical and symmetrical stretching shifts up to 3495 cm⁻¹ accounting for 1° amines; C=O aliphatic stretching was shifted up to 1726 cm⁻¹; N-H in-plane bending at 1649 cm⁻¹; C=C stretching shifted down to 1561 cm⁻¹; (O=S=O) sulfonyl peak at 1330 cm⁻¹ C-N aliphatic stretching 1175 cm⁻¹.

Differential Scanning Calorimetry: (TA Instruments 2920 DSC), 75.31 degrees C (endotherm) and 177.32 degrees C (endotherm), m.p. = 148-155 degrees C (MEL-TEMP); (carbamazepine m.p. = 190.2 degrees C, saccharin m.p. = 228.8 degrees C).

Thermogravimetric Analysis: (TA Instruments 2950 Hi-Resolution TGA), 3.342% weight loss starting at 67.03 degrees C and a 55.09% weight loss starting at 118.71 degrees C followed by complete decomposition.

Powder x-ray diffraction: (Rigaku Miniflex Diffractometer using Cu K α (λ = 1.540562), 30kV, 15mA). The powder data were collected over an angular range of 3° to 40° 20 in continuous scan mode using a step size of 0.02° 20 and a scan speed of 2.0°/minute. PXRD derived from the single crystal data, experimental (calculated): 6.9 (7.0); 12.2 (12.2); 13.6 (13.8); 14.0 (14.1); 14.1 (14.4); 15.3 (15.6); 15.9 (15.9); 18.1 (18.2); 18.7 (18.8); 20.2 (20.3); 21.3 (21.5); 23.7 (23.9); 26.3 (26.4); 28.3 (28.3).

Example 33

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15 Carbamazepine:2,6-pyridinedicarboxylic acid (2:3 stoichiometry)

36 mg (0.1524 mmol) carbamazepine and 26 mg (0.1556 mmol) 2,6-pyridinedicarboxylic acid were dissolved in approximately 2 mL ethanol. Slow evaporation of the solvent yielded clear needles of a 1:1 carbamazepine/2,6-pyridinedicarboxylic acid co-crystal, as shown in Figure 54A-B.

Crystal data: (Bruker SMART-APEX CCD Diffractometer). $C_{22}H_{17}N_3O_5$, M=403.39, orthorhombic P2(1)2(1)2(1); a=7.2122, b=14.6491, c=17.5864 Å, α =90°, β =90°, γ =90°, V=1858.0(2) ų, T=100 K, Z=4, μ (MO-K α)=0.104 mm⁻¹, D_c=1.442 Mg/m³, λ =0.71073Å, F(000)840, $2\theta_{max}$ =28.3. 16641 reflections measured, 4466 unique (R_{int}=0.093). Final residuals for 271 parameters were R₁=0.0425 and wR₂=0.0944 for I>2 σ (I).

Crystal packing: Each hydrogen on the CBZ 1° amine is hydrogen bonded to a carbonyl group of a different 2,6-pyridinedicarboxylic acid moiety. The carbonyl of the CBZ carboxamide is hydrogen bonded to two hydroxide groups of one 2,6-pyridinedicarboxylic acid moiety.

Infrared Spectroscopy: (Nicolet Avatar 320 FTIR). 3439 cm⁻¹, (N-H stretch, 1° amine, CBZ); 1734 cm⁻¹, (C=O); 1649 cm⁻¹, (C=C).

Melting Point: 214-216 degrees C (MEL-TEMP). (carbamazepine m.p. = 191-192 degrees C, 2,6-pyridinedicarboxylic acid m.p. = 248-250 degrees C).

Thermogravimetric Analysis: (TA Instruments 2950 Hi-Resolution TGA). 69% weight loss starting at 215 degrees C and a 17% weight loss starting at 392 degrees C followed by complete decomposition.

5 Example 34

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Carbamazepine:5-nitroisophthalic acid (1:1 stoichiometry)

40 mg (0.1693 mmol) carbamazepine and 30 mg (0.1421 mmol) 5-nitroisophthalic acid were dissolved in approximately 3 mL methanol or ethanol. Slow evaporation of the solvent yielded yellow needles of a 1:1 carbamazepine/5-nitroisophthalic acid co-crystal, as shown in Figure 55A-B.

Crystal data: (Bruker SMART-APEX CCD Diffractometer). $C_{47}H_{40}N_6O_{16}$, M=944.85, monoclinic C2/c; a=34.355(8), b=5.3795(13), c=23.654(6) Å, α =90°, β =93.952(6)°, γ =90°, V=4361.2(18)ų, T=200(2) K, Z=4, μ (MO-K α)=0.110 mm⁻¹, D_c =1.439 Mg/m³, λ =0.71073Å, F(000)1968, $2\theta_{max}$ =26.43°. 11581 reflections measured, 4459 unique (R_{int} =0.0611). Final residuals for 311 parameters were R_1 =0.0725, w R_2 =0.1801 for I>2 α (I), and R_1 =0.1441, w R_2 =0.1204 for all 4459 data.

Crystal packing: The co-crystals are sustained by hydrogen bonded carboxylic acid homodimers between the two 5-nitroisophthalic acid moieties and hydrogen bonded carboxy-amide heterodimers between the carbamazepine and 5-nitroisophthalic acid moiety. There is solvent hydrogen bonded to an additional N-H donor from the carbamazepine moiety.

Infrared Spectroscopy: (Nicolet Avatar 320 FTIR). 3470 cm⁻¹, (N-H stretch, 1° amine, CBZ); 3178 cm⁻¹, (C-H stretch, alkene); 1688 cm⁻¹, (C=O); 1602 cm⁻¹, (C=C).

Differential Scanning Calorimetry: (TA Instruments 2920 DSC). 190.51 degrees C (endotherm). m.p. = NA (decomposes at 197-200 degrees C) (MEL-TEMP). (carbamazepine m.p. = 191-192 degrees C, 5-nitroisophthalic acid m.p. = 260-261 degrees C).

Thermogravimetric Analysis: (TA Instruments 2950 Hi-Resolution TGA).

32.02% weight loss starting at 202 degrees C, a 12.12% weight loss starting at 224 degrees C and a 17.94% weight loss starting at 285 degrees C followed by complete decomposition.

Powder x-ray diffraction: (Rigaku Miniflex Diffractometer using CuKα (λ=1.540562), 30kV, 15mA). The powder data were collected over an angular range of 3 to 40 2 in continuous scan mode using a step size of 0.02 2 and a scan speed of 2.0 /min. PXRD: Showed analogous peaks to the simulated PXRD derived from the single crystal data. PXRD analysis experimental (calculated): 10.138 (10.283), 15.291 (15.607), 17.438 (17.791), 21.166 (21.685), 31.407 (31.738), 32.650 (32.729).

Example 35

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Carbamazepine:1,3,5,7-adamantane tetracarboxylic acid (1:1 stoichiometry)

15 mg (0.1524 mmol) carbamazepine and 20 mg (0.1556 mmol) 1,3,5,7-adamantanetetracarboxylic acid were dissolved in approximately 1 mL methanol or 1 mL ethanol. Slow evaporation of the solvent yields clear plates of a 2:1 carbamazepine/1,3,5,7-adamantanetetracarboxylic acid co-crystal, as shown in Figure 56A-B.

Crystal data: (Bruker SMART-APEX CCD Diffractometer). $C_{44}H_{40}N_2O_{10}$, M=784.80, monoclinicC2/c; a=18.388(4), b=12.682(3), c=16.429(3) Å, β =100.491(6)°, V=3767.1(14) ų, T=100(2) K, Z=4, μ (MO-K α)=0.099 mm⁻¹, D_c=1.384 Mg/m³, λ =0.71073Å, F(000)1648, $2\theta_{max}$ =28.20°. 16499 reflections measured, 4481 unique (R_{int} =0.052). Final residuals for 263 parameters were R_1 =0.0433 and w R_2 =0.0913 for I>2 α (I).

Crystal packing: The co-crystals form a single 3D network of four tetrahedron, linked by square planes similar to the *PtS* topology. The crystals are sustained by hydrogen bonding.

Infrared Spectroscopy: (Nicolet Avatar 320 FTIR). 3431 cm⁻¹, (N-H stretch, 1° amine, CBZ); 3123 cm⁻¹, (C-H stretch, alkene); 1723 cm⁻¹, (C=O); 1649 cm⁻¹, (C=C). Melting Point: (MEL-TEMP). 258-260 degrees C (carbamazepine m.p. = 191-192 degrees C, adamantanetetracarboxylic acid m.p. = >390 degrees C).

Thermogravimetric Analysis: (TA Instruments 2950 Hi-Resolution TGA). 9% weight loss starting at 189 degrees C, a 52% weight loss starting at 251 degrees C and a 31% weight loss starting at 374 degrees C followed by complete decomposition.

Example 36

Carbamazepine:benzoquinone (1:1 stoichiometry)

25 mg (0.1058 mmol) carbamazepine and 11 mg (0.1018 mmol) benzoquinone was dissolved in 2 mL methanol or THF. Slow evaporation of the solvent produced an average yield of yellow crystals of a 1:1 carbamazepine/benzoquinone co-crystal, as shown in Figure 57A-B.

Crystal data: (Bruker SMART-APEX CCD Diffractometer). $C_{21}H_{16}N_2O_3$, M=344.36, monoclinic P2(1)/c; a=10.3335(18), b=27.611(5), c=4.9960(9) Å, β =102.275(3)°, V=1392.9(4) ų, T=100(2) K, Z=3, D_c=1.232 Mg/m³, μ (MO-K α)=0.084 mm⁻¹, λ =0.71073Å, F(000)540, $2\theta_{max}$ =28.24°. 8392 reflections measured, 3223 unique (R_{int}=0.1136). Final residuals for 199 parameters were R₁=0.0545 and wR₂=0.1358 for I>2 α (I), and R₁=0.0659 and wR₂=0.1427 for all 3223 data.

Crystal packing: The co-crystals contain hydrogen bonded carboxamide homodimers. Each 1° amine on the CBZ is bifurcated to a carbonyl group of a benzoquinone moiety. The dimers form infinite chains.

Infrared Spectroscopy: (Nicolet Avatar 320 FTIR). 3420 cm⁻¹, (N-H stretch, 1° amine, CBZ); 2750 cm⁻¹, (aldehyde stretch); 1672 cm⁻¹, (C=O); 1637 cm⁻¹, (C=C, CBZ).

Melting Point: 170 degrees C (MEL-TEMP). (carbamazepine m.p. = 191-192 degrees C, benzoquinone m.p. = 115.7 degrees C).

Thermogravimetric Analysis: (TA Instruments 2950 Hi-Resolution TGA). 20.62% weight loss starting at 168 degrees C and a 78% weight loss starting at 223 degrees C followed by complete decomposition.

Example 37

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25 Carbamazepine:trimesic acid (Form II) (1:1 stoichiometry)

36 mg (0.1524 mmol) carbamazepine and 31 mg (0.1475 mmol) trimesic acid were dissolved in a solvent mixture of approximately 2 mL methanol and 2 mL dichloromethane. Slow evaporation of the solvent mixture yielded white starbursts of a 1:1 carbamazepine/trimesic acid co-crystal, as shown in Figure 58A-B.

Crystal data: (Bruker SMART-APEX CCD Diffractometer). $C_{24}H_{18}N_2O_7$, M=446.26, monoclinic C2/c; a=32.5312(50), b=5.2697(8), c=24.1594(37) Å, α =90°, β =98.191(3)°, γ =90°, V=4099.39(37) ų, T=-173 K, Z=8, μ (MO-K α)=0.110 mm⁻¹, D_c =1.439 Mg/m³, λ =0.71073Å, F(000)1968, $2\theta_{max}$ =26.43°. 11581 reflections

measured, 4459 unique (R_{int} =0.0611). Final residuals for 2777 parameters were R_1 =0.1563, wR_2 =0.1887 for I>2 σ (I), and R_1 =0.1441, wR_2 =0.1204 for all 3601 data.

Crystal packing: The co-crystals are sustained by hydrogen bonded carboxylic acid homodimers between carbamazepine and trimesic acid moieties and hydrogen bonded carboxylic acid-amine heterodimers between two trimesic acid moieties arranged in a stacked ladder formation.

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Infrared Spectroscopy: (Nicolet Avatar 320 FTIR). 3486 cm⁻¹(N-H stretch, 1° amine, CBZ); 1688 cm⁻¹ (C=O, 1° amide stretch, CBZ); 1602 cm⁻¹ (C=C, CBZ).

Differential Scanning Calorimetry: (TA Instruments 2920 DSC). 273 degrees C (endotherm). m.p. = NA, decomposes at 278 degrees C (MEL-TEMP). (carbamazepine m.p. = 191-192 degrees C, trimesic acid m.p. = 380 degrees C)

Thermogravimetric Analysis: (TA Instruments 2950 Hi-Resolution TGA). 62.83% weight loss starting at 253 degrees C and a 30.20% weight loss starting at 278 degrees C followed by complete decomposition.

Powder x-ray diffraction: (Rigaku Miniflex Diffractometer using $CuK\alpha$ (λ =1.540562), 30kV, 15mA). The powder data were collected over an angular range of 3 to 40 2 in continuous scan mode using a step size of 0.02 2 and a scan speed of 2.0 /min. PXRD analysis experimental: 10.736, 12.087, 16.857, 24.857, 27.857.

Table V. Detailed Characterization of Co-Crystals

All PXRD peaks are in units of degrees 2-theta

All Raman shifts are in units of cm⁻¹

Carbamazepine: Saccharin

PXRD (Form I): 7.01, 12.07, 14.09, 15.41, 18.47, 20.13, 22.01, 23.57, 24.41, 28.31 (Fig. 1)

PXRD (Form II): 6.9, 12.2, 13.6, 14.0, 14.1, 15.3, 15.9, 18.1, 18.7, 20.2, 21.3, 23.7, 26.3, 28.3

DSC (Form I): Broad endotherm at 161.9 degrees C (Fig. 2)

TGA (Form I): Decomposition above 200 degrees CDSC (Form II): Endothermic transitions at 75.31 and 177.32 degrees C

TGA (Form II): 3.342 percent weight loss starting at 67.03 degrees C, 55.09 percent weight loss starting at 118.71 degrees C, followed by decomposition Method: CMAX

Carbamazepine: Nicotinamide

PXRD (Form I): 4.97, 6.67, 8.75, 10.25, 13.25, 17.91, 18.49, 19.95, 20.49, 22.73, 24.39, 26.49 (Fig. 3)

PXRD (Form II): 6.5, 8.8, 10.1, 13.2, 15.6, 17.7, 17.8, 18.3, 19.8, 20.4, 21.6, 22.6, 22.9, 26.4, 26.7, 28.0

DSC (Form I): Sharp endotherm at 156.9 degrees C (Fig. 4)

TGA (Form I): Decomposition beginning at ~150 degrees CDSC (Form II):

Endothermic transitions at 74.49 and 159.05 degrees C

TGA (Form II): 57.94 percent weight loss starting at 205.43 degrees C, followed by decomposition

Method: CMAX

Carbamazepine: Trimesic acid

PXRD (Form I): 10.89, 12.23, 14.83, 16.25, 17.05, 18.13, 18.47, 21.47, 21.95, 24.57, 25.11, 27.99 (Fig. 5)

PXRD (Form II): 10.74, 12.09, 16.86, 24.86, 27.86

DSC (Form II): Endothermic transition at 273 degrees C

TGA (Form II): 62.83 percent weight loss starting at 253 degrees C, 30.20 percent weight loss starting at 278 degrees C, followed by decomposition

Method: CMAX

Celecoxib: Nicotinamide

PXRD: 3.77, 7.56, 9.63, 14.76, 15.21, 16.01, 17.78, 18.68, 19.31, 20.44, 21.19, 22.10 DSC: Two endothermic transitions at 117.2 and 118.8 degrees C and a sharp endotherm

at 129.7 degrees C

TGA: Decomposition beginning at ~150 degrees C

Raman: 1617.5, 1598.7, 1452.1, 1370.3, 1162.5, 1044.3, 972.9, 796.4, 631.8, 392.5,

205.9

Method: Slow evaporation of a 1:1 solution from acetone

Table V (Continued)

Topiramate: 18-Crown-6

PXRD: 10.79, 11.07, 12.17, 13.83, 16.13, 18.03, 18.51, 18.79, 19.21, 21.43, 22.25,

24.11 (Fig. 6)

DSC: Sharp endotherm at 134.7 degrees C, followed by an exotherm at 203 degrees C (Fig. 7)

TGA: Rapid decomposition beginning at ~ 135 degrees C and leveling off slightly after 200 degrees C

Raman: 2994.5, 2942.7, 1471.6, 1427.4, 1261.7, 849.4, 804.5, 745.1, 629.2, 280.4, 225.9

Method: Addition of an ether solution containing 1 equivalent of topiramate to an ether solution containing 18-crown-6. Product precipitated following minor agitation of the combined mixture and was collected.

Olanzapine: Nicotinamide

PXRD (Form I): 4.89, 8.65, 12.51, 14.19, 15.59, 17.15, 19.71, 21.05, 23.95, 24.59,

25.53, 26.71 (Fig. 8)

PXRD (Form II): 6.41, 12.85, 18.67, 21.85, 24.37 (Fig.30)

PXRD (Form III): 6.41, 12.85, 14.91, 18.67, 21.85, 24.37 (Fig. 31)

DSC (Form I): Slightly broad endotherm at 126.1 degrees C (Fig. 9)

Method: See above

Celecoxib: 18-Crown-6

PXRD: 8.73, 11.89, 12.57, 13.13, 15.01, 16.37, 17.03, 17.75, 18.45, 20.75, 22.37, 23.11,

24.33, 24.97, 26.61, 28.15 (Fig. 10)

DSC: Sharp endotherm at 189.6 degrees C (Fig. 11)

TGA: Decomposition above 200 degrees C with a 25% weight loss between ~190-210 degrees C

Method: A solution containing one equivalent of celecoxib in ether was added to a solution containing 18-crown-6. A white solid formed immediately and was collected.

Itraconazole: Succinic Acid

PXRD: 3.0, 6.0, 8.1, 9.0, 17.1, 24.5 (Fig. 12)

DSC: Single endothermic transition at 160.1 degrees $C \pm 1.0$ degrees C (Fig. 13)

TGA: Less than 0.1 % volatile components by weight

Method: See above

Itraconazole: Fumaric Acid

PXRD: 4.6, 5.9, 9.2, 10.6, 19.1, 20.8 (Fig. 14)

DSC: The material had a weak endothermic transition at 141.7 degrees C and a strong endothermic transition at 179.58 degrees C (Fig. 15)

TGA: The sample loses 0.5 % of its weight on the TGA between room temperature and 100 degrees C

Method:

Itraconazole: Tartaric Acid

PXRD: 4.1, 6.2, 8.3, 20.7, 25.6, 26.3 (Fig. 16)

DSC: An endothermic transition at 180.74 degrees C (Fig. 17) TGA: Less than 0.1 % volatile components by weight by TGA.

Method: See above

Table V (Continued)

Itraconazole: Malic acid

PXRD: 4.4, 5.9, 8.8, 17.7, 20.0, 21.1, 22.6 (Fig. 18)

DSC: The sample has a strong endothermic transition at 154.36 degrees C (Fig. 19)

TGA: The sample contained less than 0.1% volatile components by weight

Method: See above

ItraconazoleHCl: Tartaric acid

PXRD: 3.7, 11.0, 13.8, 16.5, 17.8 (Fig. 20)

DSC: The sample has a peak endothermic transition at 161degrees C (Fig. 21) TGA: The sample contained less than 0.1 % volatile components by weight

Method: See above

Modafinil: Malonic acid

PXRD: 5.00, 9.17, 16.81, 18.26, 19.43, 21.36, 21.94, 22.77, 24.49, 25.63, 28.45 (Fig.

22)

DSC: Endothermic transition at 106.23 degrees C (Fig. 40)

Raman: 1601, 1183, 1032, 1004, 814, 633, 265, 222 (Fig. 42)

Method: See above

Modafinil: Benzamide

PXRD: 5.11, 9.35, 10.25, 10.79, 14.07, 16.87, 18.33, 19.53, 21.38, 22.05, 22.89, 23.57,

24.73, 25.19, 25.81, 26.51, 28.60 (Fig. 23)

Method: Slow evaporation from a 1:1 solution in 1,2-dichoroethane

Modafinil: Mandelic acid

PXRD: 6.11, 6.75, 9.53, 10.31, 14.77, 15.77, 16.99, 18.03, 20.01, 21.61, 22.47, 23.27,

25.27, 25.75, 27.23 (Fig. 24)

Method: Slow evaporation from a 1:1 solution in acetone

Modafinil: Glycolic acid

PXRD: 6.09, 9.51, 14.91, 15.97, 19.01, 20.03, 21.59, 22.43, 22.75, 23.75, 25.03, 25.71

(Fig. 25)

Method: Slow evaporation from a 1:1 solution in acetone

Modafinil: Fumaric acid

PXRD: 5.87, 7.19, 8.95, 12.49, 13.99, 16.13, 17.09, 18.19, 19.99, 21.57, 23.48, 25.01,

25.79, 28.17, 28.87, 29.69, 32.19 (Fig. 26)

Method: Slow evaporation from a 1:1 solution in 1,2-dichoroethane

Modafinil: Maleic acid

PXRD: 4.69, 6.15, 9.61, 10.23, 15.65, 16.53, 17.19, 18.01, 19.27, 19.53, 19.97, 21.83,

22.45, 25.65 (Fig. 43)

Method: See above

5-fluorouracil: Urea

PXRD: 11.23, 12.69, 13.27, 15.93, 16.93, 20.37, 23.65, 25.55, 26.87, 32.49 (Fig. 36)

DSC: Sharp endotherm at 207.6 degrees C (Fig. 33)

TGA: 32 percent weight loss between 150 and 220 degrees C (Fig. 34)

Raman: 1347.1, 1024.4, 756.9, 643.7, 545.3 (Fig. 35)

Method: See above

Hydroclorothiazide: Nicotinic acid

PXRD: 8.57, 13.23, 14.31, 16.27, 17.89, 18.75, 21.13, 21.45, 24.41, 25.73, 26.57, 27.43

(Fig. 37)

Method: See above

Table V (Continued)

Hydrochlorothiazide: 18-crown-6

PXRD: 9.97, 10.43, 11.57, 11.81, 12.83, 14.53, 15.67, 16.61, 19.05, 20.31, 20.65, 21.09,

21.85, 22.45, 23.63, 24.21, 25.33, 26.73 (Fig. 38)

Method: See above

Hydrochlorothiazide: piperazine

PXRD: 6.85, 13.75, 15.93, 18.71, 20.67, 20.93, 23.27, 24.17, 28.33, 28.87, 30.89 (Fig.

39)

Method: See above

Acetaminophen: 4,4'-bipyridine:water

DSC: Endothermic transition at 57.77 degrees C

Method: See above

Phenytoin: Pyridone

PXRD: 5.2, 11.1, 15.1, 16.2, 16.7, 17.8, 19.4, 19.8, 20.3, 21.2, 23.3, 26.1, 26.4, 27.3,

29.5

DSC: Endothermic transitions at 233.39 and 271.33 degrees C

TGA: 29.09 percent weight loss starting at 192.8 degrees C, 48.72 percent weight loss starting at 238.27 degrees C, 18.38 percent weight loss starting at 260.17 degrees C,

followed by decomposition

Method: See above

Aspirin: 4,4'-bipyridine

DSC: Endothermic transition at 95.14 degrees C

TGA: 9 percent weight loss starting at 22.62 degrees C, 49.06 percent weight loss

starting at 102.97 degrees C, decomposition starting at 209.37 degrees C

Method: See above

Ibuprofen: 4,4'-bipyridine

PXRD: 3.4, 6.9, 10.4, 17.3, 19.1

DSC: Endothermic transitions at 64.85 and 118.79 degrees C

TGA: 13.28 percent weight loss between room temperature and 100.02 degrees C

followed by decomposition

Method: See above

Flurbiprofen: 4,4'-bipyridine

PXRD: 16.8, 17.1, 18.1, 19.0, 20.0, 21.3, 22.7, 25.0, 26.0, 26.0, 26.1, 28.2, 29.1

DSC: Endothermic transition at 162.47 degrees C

TGA: 30.93 percent weight loss starting at 31.13 degrees C, 46.26 percent weight loss

starting at 168.74 degrees C, followed by decomposition

Method: See above

Flurbiprofen:trans-1,2-bis (4-pyridyl) ethylene

PXRD: 3.6, 17.3, 18.1, 18.4, 19.1, 22.3, 23.8, 25.9, 28.1

DSC: Endothermic transitions at 100.01, 125.59, and 163.54 degrees C

TGA: 91.79 percent weight loss starting at 133.18 degrees C followed by decomposition

Method: See above

Table V (Continued)

Carbamazepine: p-phthalaldehyde

PXRD: 8.5, 10.6, 11.9, 14.4, 15.1, 18.0, 18.5, 19.8, 23.7, 24.2, 26.4, 27.6, 27.8, 28.7,

29.3, 29.4

DSC: Endothermic transition at 128.46 degrees C

TGA: 17.66 percent weight loss starting at 30.33 degrees C, 17.57 percent weight loss

starting at 100.14 degrees C, followed by decomposition

Method: See above

Carbamazepine: 2,6-pyridinecarboxylic acid

TGA: 69 percent weight loss starting at 215 degrees C, 17 percent weight loss starting at

392 degrees C, followed by decomposition

Method: See above

Carbamazepine: 5-nitroisophthalic acid

PXRD: 10.14, 15.29, 17.44, 21.17, 31.41, 32.65

TGA: 32.02 percent weight loss starting at 202 degrees C, 12.12 percent weight loss starting at 224 degrees C, 17.94 percent weight loss starting at 285 degrees C, followed

by decomposition Method: See above

Carbamazepine: 1,3,5,7-adamantane tetracarboxylic acid

TGA: 9 percent weight loss starting at 189 degrees C, 52 percent weight loss starting at

251 degrees C, 31 percent weight loss starting at 374 degrees C, followed by

decomposition Method: See above

Carbamazepine: Benzoquinone

TGA: 20.62 percent weight loss starting at 168 degrees C, 78 percent weight loss

starting at 223 degrees C, followed by decomposition

Method: See above

Example 38

A co-crystal with a modulated dissolution profile has been prepared. Celecoxib: nicotinamide co-crystals were prepared via methods shown in example 4. (See Fig. 27)

Example 39

A co-crystal with a modulated dissolution profile has been prepared. Itraconazole:

succinic acid, itraconazole:tartaric acid and itraconazole:malic acid co-crystals were prepared via methods shown in examples 8, 10 and 11. (See Fig. 28)

Example 40

A co-crystal of an unsaltable or difficult to salt API has been prepared. Celecoxib: nicotinamide co-crystals were prepared via methods shown in example 4.

5 Example 41

A co-crystal with an improved hygroscopicity profile has been prepared. Celecoxib: nicotinamide co-crystals were prepared via methods shown in example 4. (See Fig. 29)

Example 42

10 A co-crystal with reduced form diversity as compared to the API has been prepared.

Co-crystals of carbamazepine and saccharin have been prepared via method shown in example 1.

Co-Crystal Former	MW (g/mol)	MP (°C)	Class	Functionality	# acceptors # donors	# donors	Molecular Strucutre	pKa Values
1-Hydroxy-2-naphthoic acid	188.18	191-192	2	Carboxylic acid, alcohol	-	2	нооо	2.7, 13.5
4-aminobenzoic acid	137.14	187-188	2	Amine, carboxylic acid	-	3	HO NH2	4.7, 4.8
4-aminopyridine	94.11	158-159	3	Amine, pyridine	1	2	N NH2	10
4-Chlorobenzene- sulfonic acid	192.63	<i>L</i> 9	1	$\mathrm{SO}_3\mathrm{H}$	3	1	CI	0-1
4-ethoxyphenyl urea	180.2	173-174	3	Amide, NH	2	3	O NH1,	6-2~
7-0x0-DHEA	303	190-192	_	Alcohol, Ketone	3	-	D T O T O O T O O T O O O O O O O O O O	

Co-Crystal Former	MW (g/mol)	MP (°C)	Class	Functionality	# acceptors # donors	# donors	Molecular Strucutre	pKa Values
Acesulfame	163.15	123-124	3	SO ₂ , Amide	4	-	0 - HN	~5-7
Acetohydroxamic acid	75.07	89-92	3	Amide, NH, OH	2	2	0 H	8.7
Adenine	135.13	220 (sub.)	-	Amine, NH	. 3	3	NH2	3.8
Adipic Acid	146.14	152	-	Carboxylic acid	2	2	ноос(сн₂)₄соон	4.44, 5.44
Alanine	89.09	289-291	1	Amine, carboxillic acid		3	H ₂ N ₄ H	2.35, 9.87
Allopurinaol	136.11	> 350	33	OH, NH	4	2	z z z	10.2

Co-Crystal Former	MM (g/mol)	MP (°C)	Class	Functionality	# acceptors # donors	# donors	Molecular Strucutre	pKa Values
Arginine	174.2	244 (dec.)	-	Amine, COOH	2	7	No No H	2.18, 9.09, 13.2
Ascorbic acid	176.12	190-192	-	С=0, ОН	9	4	ОНО ОН	4.17, 11.57
Asparagine	132.12	234-235		Amine, amide, COOH	3	5	H ₂ N OH	2.02, 8.5
Aspartic acid	133.1	270-271	_	Amine, COOH	2	4	HO OH NIH2	1.88, 3.65, 9.60
Benzenesulfonic Acid	158.18	43-44		$\mathrm{SO}_3\mathrm{H}$	2	1	H _c OS—	0.70, 1.58
Benzoic acid*	122.12	122-123	2	Н00Э	_	_	DH O H	4.19

Co-Crystal Former	MW (g/mol)	MP (°C)	Class	Functionality	# acceptors # donors	# donors	Molecular Strucutre	pKa Values
Caffeine	194.19	238	3	C=0	3	0	1.3°C	
Camphoric acid	200.23	186-189	2	Carboxylic acid	2	2	Н ₃ С СООН СН ₃ СООН	4.72, 5.83
Capric acid	172.27	31.4	-	Carboxylic acid	-	-	СН ₃ (СН ₂) ₈ СООН	4.9
Chrysin	254.24	285	-	Phenol, ether, ketone	2	2	он о но	
Cinnamic acid	144.2	133	ဧ	Carboxylic acid	-	-	OH OH	4.4
Citric Acid	192.12	153	-	0Н, СООН	4	4	HOOD ———————————————————————————————————	3.13, 4.76, 6.40

Co-Crystal Former	MW (g/mol)	MP (°C)	Class	Functionality	# acceptors # donors	# donors	Molecular Strucutre	pKa Values
Clemizole	325.84	167	_	Pyrrolidine	3	0	PPC:	
Cyclamic acid	179.24	169-170	3	NH, SO ₃ H	2	2	N SO ₃ H	-5
Cysteine	121.15	-		Amine, COOH, SH	2	4	HS OH	1.71, 8.33, 10.78
Dimethylglycine	103.1	178-192		Amine, Carboxylic acid	2	1	N—CH-C—OH	2.5
D-Ribose	150.13	87	_	Alcohol, ether	-	4	HO OH OH	
Fumaric acid	116.07	287	-	Н00Э	7	2	O — O	3.03, 4.38

Co-Crystal Former	MM (g/mol)	MP (°C)	Class	Functionality	# acceptors # donors	# donors	Molecular Strucutre	pKa Values
Galactaric acid	210.14	255 (dec)	-	Carboxylic acid, alcohol	2	9	HOOD———————————————————————————————————	3.08, 3.63
Genistein	270.24	297-298	-	Alcohol, Phenol, ether, ketone	2	3	O HO OH	
Gentisic acid	154.12	199-200 form I, 205 form II	2	Carboxylic acid, alcohol, phenol	-	3	НО	2.93
Glucamine, N-Methyl	195.22	128-129	-	Alcohol, Amine	τυ	9	HO HO HO	8.03(B)
Gluconic acid	196.15	131	_	0Н, СООН	9	9	но н но	3.76
Glucosamine	179.17	88	-	НО	5	9	HO OH OH	6.91

Co-Crystal Former	MW (g/mol)	MP (°C)	Class	Functionality	# acceptors # donors	# donors	Molecular Strucutre	pKa Values
Glucuronic acid	194.14	165	_	Carboxylic acid, alcohol, aldehyde	2	5	O OH OH OH	3.18
Glutamic acid	147.13	160	_	Amine, COOH	2	4	HO OH	2.19, 4.25, 9.67
Glutamine	146.15	185-186	_	Amine, Amide, COOH	2	5	H ₂ N OH NH ₂	2.17, 9.13
Glutaric acid	132.11	86-86	_	СООН	2	2	HO OH	2.7, 4.5
Glycine	75.07	182	_	Amine, COOH	2	3	HO N ² H	2.34, 9.6
Glycolic acid	76.05	80	.	0Н, СООН	7	2	но	3.82

Co-Crystal Former	MW (g/mol)	MP (°C)	Class	Functionality	# acceptors # donors	# donors	Molecular Strucutre	pKa Values
Hippuric acid	179.17	187-188	-	Amide, NH, COOH	2	2	o	3.55
Histidine	155.16	287 (dec.)	-	Amine, COOH, Imidazole	2	4	HIN NH2	1.78, 5.97, 8.97
Hydroquinone*	110.11	170-171	2	OH, Phenol	2	2	HO 0H	~10
Imidazole	80.89	90-91	1	HN	-		IZ Z	6.92
Ipriflavone	280.32	115-117	_	Ketone, ether	3	0	CH ₃	
Isoleucine	131.17	168-170 (sub.)		Amine, COOH	-		H ₃ C OH	2.32, 9.76

Co-Crystal Former	MM (g/mol)	MP (°C)	Class	Functionality	# acceptors # donors	# donors	Molecular Strucutre	pKa Values
Lactobionic acid	358.3	128-130	2	Alcohol, carboxylic acid, ether	-	6		3.2
Lauric acid	200.32	44-48	-	Carboxylic acid	1	1	CH ₃ (CH ₂) ₁₀ COOH	~4.5
Leucine	131.17	145-148 (sub.)	1	Carboxylic acid, amine	1	3	H ₂ N	2.36, 9.6
Lysine	146.19	225 (dec.)	_	Amine, COOH	1	5	Н ₂ N ОН	2.2, 8.9,
Maleic	116.07	138-139	1	СООН	2	2	ноос соон	1.92, 6.23
Malic acid	134.09	131-132	-	0н, соон	3	3	0 H	3.46, 5.1

Co-Crystal Former	MM (lom/g)	MP (°C)	Class	Functionality	# acceptors # donors	# donors	Molecular Strucutre	pKa Values
Malonic	104.06	135	_	С00Н	2	2	OH OH	2.83, 5.70
Mandelic acid	152.15	119	_	0Н, СООН	7	2	5 0	3.37
Methionine	149.21	280-282 (dec.)	1	Amine, COOH, S- Me	2	3	H ₃ C OH	2-3, 9
Nicotinamide	122.12	128-131	1	Pyridine, amide	2	7	O NH1	3.3
Nicotinic acid	123.11	236-237	2	Carboxylic acid, pyridine	2	-		2.07(B), 4.85
Orotic acid	156.1	345-346	7	Carboxilic acid, lactam		т	O HU HOOO	5.85, 8.95

Co-Crystal Former	MW (g/mol)	MP (°C)	Class	Functionality	# acceptors	# donors	Molecular Strucutre	pKa Values
Oxalic acid	90.04	189 (dec)	2	Carboxilic acid	2	2	o Ho	1.27, 4.27
Palmitic acid	256.43	63-64	-	Carboxylic acid	-	-	СН₃(СН₂)₁₄СООН	4.9
Pamoic	388.38	280 (dec)	. 2	Carboxylic acid, phenol	2	4	H0000 H0000	2.51, 3.1
Phenylalanine	165.19	283 (dec.)	-	Amine, COOH		3	O HAT	~2, ~9
Piperazine	86.14	106		HN	0	2	HN NH	9.82(B)
Procaine	236.31	61	1	Amine, C=0	2	2	H _y w	8.9(B)
Proline	115.13	220-222 (dec.)	-	СООН, ИН	_	7	o High	1.99, 10.6

Co-Crystal Former	MW (g/mol)	MP (°C)	Class	Functionality	# acceptors # donors	# donors	Molecular Strucutre	pKa Values
p-Toluenesulfonic acid	172.2	106-107	2	Sulfonic acid	2	1	N ₂ C ₂ H	-1.34
Pyridoxamine	168	193-194	2	OH, Amine, Pyridine	3	4	HO OH	⊙ ~
Pyridoxine	170	160	2	Alcohol, Pyridine	3	3	HO OH	6.
Pyroglutamic acid	129.12	162	2	Carboxylic acid, Lactam	2	2	Н	3.32
Quercetin	302.24	314 dec.	1	Phenol, ether, ketone	2	æ	HO HO HO	
Resveratrol	228.24	253-255	-	Phenol	0	က	Ho Of Ho	

Co-Crystal Former	MM (g/mol)	MP (°C)	Class	Functionality	# acceptors # donors	# donors	Molecular Strucutre	pKa Values
Saccharin	183.19	228-230	-	Amide, C=0, S=0, N-H		-		2
Salicylic acid, 4-amino	153.14	150-151	3	COOH, OH, Analine	_	4	HO HO	3.25, 10, 3.5(B)
Salicylic acid	138.12	159	3	но 'нооэ	2	2	HO HO	2.98, 13.82
Sebacic acid	202.25	134.5	-	Carboxylic acid	2	2	ноос(сн ₂)всоон	4.59, 5.59
Serine	105.09	228 (dec.)	-	Carboxylic acid, amine, OH	2	3	HO OH	2.21, 9.15
Stearic acid	284.47	70-71	-	Carboxylic acid	-	+	СН ₃ (СН ₂) ₁₆ СООН	4.9
Succinic acid	118.09	185-187	-	Carboxylic acid	2	2	ОН ОН	4.21, 5.64

Co-Crystal Former	MW (g/mol)	MP (°C)	Class	Functionality	# acceptors # donors	# donors	Molecular Strucutre	pKa Values
Tartaric acid	150.09	205-206	_	Carboxylic acid	4	4	of Ho	3.02, 4.36
Threonine	119.12	255-257 (dec.)	_	Amine, COOH, OH	2	4	HO OH	2.15, 9.12
TRIS	121.13	171-172	2	Amine, OH	3	5	НО ОН ОН	5.91, 8.3
Tryptophan	204.23	289 (dec.)	1	Amine, COOH, Indole	_	4	T N N N N N N N N N N N N N N N N N N N	2.38, 9.39
Tyrosine	181.19	342-344	_	Amine, COOH, OH	2	3	HO NH;	2.2, 9.11,
Urea	90.09	Dec.	-	C=0, NH2	-	4	H ₂ N H ₂ N	82

Co-Crystal Former	MW (g/mol)	MP (°C)	Class	MP (°C) Class Functionality # acceptors # donors	# acceptors	# donors	Molecular Strucutre	pKa Values
Valine	117.15	315	-	Amine, COOH	-	3	CH ₃ O OH	~4.5, ~9
Vitamin K5	209.68	280-282 (dec.)	3	Amine, OH	-1	3	OH CCH,	6~
Xylitol	152.15	93-95 (I)	2	НО	5	5	НО ОН ОН	6~

	Co-crystal Former							
Co-crystal Former	Functional Group	Interacting Group	Group					
								Carboxylic
1,5-Napthalene-disulfonic Acid	Sulfonic Acid	pyridine	ketone	aldehyde	ether	ester	amide	Acid
1-Hydroxy-2-naphthoic acid	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
1-Hydroxy-2-naphthoic acid	alcohol	alcohol	ketone	thiol	amide	amine	analine	phenol
4-Aminobenzoic Acid	Amine	alcohol	ketone	thiol	amide	amine	analine	phenol
4-Aminobenzoic Acid	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
4-aminopyridine	Amine	alcohol	ketone	thiol	amide	amine	analine	phenol
								*Carboxylic
4-aminopyridine	Pyridine	*alcohol	pyridinium	*	*amide	nitro	*amine	Acid
								Carboxylic
4-Chlorobenzene-Sulfonic Acid	Sulfonic Acid	pyridine	ketone	aldehyde	ether	ester	amide	Acid
4-ethoxyphenyl Urea	Amide	alcohol	ketone	thiol	amide	amine	analine	phenol
4-ethoxyphenyl Urea	Amine	alcohol	ketone	thiol	amide	amine	analine	phenol
7-oxo-DHEA	alcohol	alcohol	ketone	thiol	amide	amine	analine	phenol
7-oxo-DHEA	Ketone	alcohol		thiol	amide	amine	analine	phenol
								carboxilic
Acesulfame	Sulfone	pyridine	ketone	aldehyde	ether	ester	amide	acid
Acesulfame	Amide	alcohol	ketone	thiol	amide	amine	analine	phenol
Acetohydroxamic Acid	Amide	alcohol	ketone	thiol	amide	amine	analine	phenol
Acetohydroxamic Acid	Amine	alcohol	ketone	thiol	amide	amine	analine	phenol
Acetohydroxamic Acid	Alcohol	alcohol	ketone	thiol	amide	amine	analine	phenol
Adenine	Amine	alcohol	ketone	thiol	amide	amine	analine	phenol
								*carboxilic
Adenine	N	*alcohol	pyridinium	*	*amide	nitro	*amine	acid
Adipic acid	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
Alanine	Amine	alcohol	ketone	thiol	amide	amine	analine	phenol
Alanine	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
Allopurinaol	Alcohol	alcohol	ketone	thiol	amide	amine	analine	phenol
Allopurinaol	Amine	alcohol	ketone	thiol	amide	amine	analine	phenol
Arginine	Amine	alcohol	ketone	thiol	amide	amine	analine	phenol
Arginine	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
Ascorbic Acid	Ketone	alcohol		thiol	amide	amine	analine	phenol
Ascorbic Acid	Alcohol	alcohol	ketone	thiol	amide	amine	analine	phenol
Ascorbic Acid	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol

Co-crystal Former								
1,5-Napthalene-disulfonic Acid	amine	metals	thioether		sulfate	alcohol		
1-Hydroxy-2-naphthoic acid	phosphate	sulfate	sulfone	nitrate	pyridine	carboxilic acid	metals	aldehyde
1-Hydroxy-2-naphthoic acid	phosphate	sulfate	sulfone	nitrate	pyridine	carboxilic acid	metals	aldehyde
4-Aminobenzoic Acid	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
4-Aminobenzoic Acid	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
4-aminopyridine	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
4-aminopyridine	*sulfonamide	*ketone	ether	triazole		ammonium	oxime	*chlorine
4-Chlorobenzene-Sulfonic Acid	amine	metals	thioether		sulfate	alcohol		
4-ethoxyphenyl Urea	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
4-ethoxyphenyl Urea	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
7-oxo-DHEA	phosphate	sulfate	sulfone	nitrate	pyridine	carboxilic acid	metals	aldehyde
7-oxo-DHEA	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
Acesulfame	amine	metals	thioether		sulfate	alcohol		
Acesulfame	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
Acetohydroxamic Acid	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Acetohydroxamic Acid	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Acetohydroxamic Acid	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
Adenine	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Adenine	*sulfonamide	*ketone	ether	triazole		ammonium	oxime	*chlorine
Adipic acid	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Alanine	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Alanine	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Allopurinaol	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
Allopurinaol	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Arginine	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Arginine	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Ascorbic Acid	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
Ascorbic Acid	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
Ascorbic Acid	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals

Co-crystal Former								
1,5-Napthalene-disulfonic Acid								
1-Hydroxy-2-naphthoic acid	ester	ether	cyano		furan	bromine	chlorine	s-heterocyclic
1-Hydroxy-2-naphthoic acid	ester	ether	cyano		furan	bromine	chlorine	s-heterocyclic
4-Aminobenzoic Acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
4-Aminobenzoic Acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
4-aminopyridine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
4-aminopyridine		thiol	n-heterocyclic ring	thionedisulfide	thionedisulfide pyrrolidindione iodine	iodine	hydrazone	thiocyanate
4-Chlorobenzene-Sulfonic Acid								
4-ethoxyphenyl Urea	aldehyde	ester	ether	cyano		furan	bromine	chlorine
4-ethoxyphenyl Urea	aldehyde	ester	ether	cyano		furan	bromine	chlorine
7-oxo-DHEA	ester	ether	cyano		furan	bromine	chlorine	s-heterocyclic
7-oxo-DHEA	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Acesulfame								
Acesulfame	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Acetohydroxamic Acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Acetohydroxamic Acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Acetohydroxamic Acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Adenine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
			n-heterocyclic		:	:		
Adenine		thio	ring	thionedisulfide	thionedisulfide pyrrolidindione iodine	iodine	hydrazone	thiocyanate
Adipic acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Alanine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Alanine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Allopurinaol	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Allopurinaol	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Arginine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Arginine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Ascorbic Acid	aldehyde	ester	ether	суапо		furan	bromine	chlorine
Ascorbic Acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Ascorbic Acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine

TABLE

Co-crystal Former							
1,5-Napthalene-disulfonic Acid							
1-Hydroxy-2-naphthoic acid	pyridine	cyano	n-heterocyclic	ketone	phosphate ester		fluorine
1-Hydroxy-2-naphthoic acid	pyridine	cyano	n-heterocyclic	ketone	phosphate ester		fluorine
4-Aminobenzoic Acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
4-Aminobenzoic Acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
4-aminopyridine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
4-aminopyridine	*bromine		hydroxamic acid	cyano	carboxamide	*sulfonic acid	*phosphoric acid
4-Chlorobenzene-Sulfonic Acid							
4-ethoxyphenyl Urea	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
4-ethoxyphenyl Urea	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
7-oxo-DHEA	pyridine	cyano	n-heterocyclic	ketone	phosphate ester		fluorine
7-oxo-DHEA	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Acesulfame							
Acesulfame	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Acetohydroxamic Acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Acetohydroxamic Acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Acetohydroxamic Acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Adenine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Adenine	*bromine		hydroxamic acid	cyano	carboxamide	*sulfonic acid	*phosphoric acid
Adipic acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Alanine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Alanine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Allopurinaol	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Allopurinaol	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Arginine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Arginine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Ascorbic Acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Ascorbic Acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Ascorbic Acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	

Co-crystal Former								
1,5-Napthalene-disulfonic Acid								
1-Hydroxy-2-naphthoic acid	carbamate	imidazole	BF4					
1-Hydroxy-2-naphthoic acid	carbamate	imidazole	BF4					
4-Aminobenzoic Acid	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
4-Aminobenzoic Acid	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
4-aminopyridine	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
4-aminopyridine	N-oxide	ester	ether	fluorine	acetate	thione	dithiadiazocyclopentadienyl	
4-Chlorobenzene-Sulfonic Acid								
4-ethoxyphenyl Urea	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
4-ethoxyphenyl Urea	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
7-oxo-DHEA	carbamate	imidazole	BF4					
7-oxo-DHEA	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Acesulfame								
Acesulfame	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Acetohydroxamic Acid	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Acetohydroxamic Acid	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Acetohydroxamic Acid	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Adenine	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Adenine	N-oxide	ester	ether	fluorine	acetate	thione	dithiadiazocyclopentadienyl	
Adipic acid	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Alanine	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Alanine	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Allopurinaol	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Allopurinaol	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Arginine	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Arginine	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Ascorbic Acid	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Ascorbic Acid	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Ascorbic Acid	fluorine	carbamate	imidazole	BF4			N-S02	thiourea

Co-crystal Former			
1,5-Napthalene-disulfonic Acid		_	
1-Hydroxy-2-naphthoic acid		ļ	
1-Hydroxy-2-naphthoic acid			
4-Aminobenzoic Acid	iodine		
4-Aminobenzoic Acid	iodine		
4-aminopyridine	iodine		
4-aminopyridine			
4-Chlorobenzene-Sulfonic Acid			
4-ethoxyphenyl Urea	iodine	epoxide	peroxide
4-ethoxyphenyl Urea	iodine		
7-oxo-DHEA			
7-oxo-DHEA	iodine		
Acesulfame			
Acesulfame	iodine	epoxide	peroxide
Acetohydroxamic Acid	iodine	epoxide	peroxide
Acetohydroxamic Acid	iodine		
Acetohydroxamic Acid	iodine	epoxide	
Adenine	iodine		
Adenine			
Adipic acid	iodine		
Alanine	iodine		
Alanine	iodine		
Allopurinaol	iodine	epoxide	
Allopurinaol	iodine		
Arginine	iodine		
Arginine	iodine		
Ascorbic Acid	iodine		
Ascorbic Acid	iodine	eboxide	
Ascorbic Acid	iodine		

	Co-crystal Former							
Co-crystal Former	Functional Group	Interacting Group	Group					
Asparagine	Amine	alcohol	ketone	thiol	amide	amine	analine	phenof
Asparagine	Amide	alcohol	ketone	thiol	amide	amine	analine	phenol
Asparagine	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
Aspartic Acid	Amine	alcohol	ketone	thiol	amide	amine	analine	phenol
Aspartic Acid	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
¥ .			-		1		-	Carboxylic
Benzenesulfonic Acid	Sulfonic Acid	pyridine	ketone	aidenyde	erner	ester	amide	Acid
Benzoic Acid	Carboxylic Acid	alcohol	ketone	thio	amide	amine	analine	phenol
Caffeine	Ketone	alcohol		thiol	amide	amine	analine	phenol
Camphoric acid	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
Capric acid	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
Genistein	Ketone	alcohol		thiol	amide	amine	analine	phenol
Genistein	Phenol	amine	amide	sulfoxide	L	pyridine	cyano	aldehyde
Genistein	Ether	aromatic-N	amide	amine	aromatic_s	Sp2 amine	sulfoxide	chlorate
Cinnamic acid	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
Citric Acid	Alcohol	alcohol	ketone	thiol	amide	amine	analine	phenol
Citric Acid	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
								*carboxilic
Clemizole	Pyrrolidine	*alcohol	pyridinium	*	*amide	nitro	*amine	acid
Cyclamic Acid	Amine	alcohol	ketone	thiol	amide	amine	analine	phenol
								Carboxylic
Cyclamic Acid	Sulfonic Acid	pyridine	ketone	aldehyde	ether	ester	amide	Acid
Cysteine	Amine	alcohol	ketone	thiol	amide	amine	analine	phenol
Cysteine	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
		carboxylic						
Cysteine	Thiol	acid	sodium	aldehyde	ketone	곡	cadminm	
Dimethylglycine	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
Dimethylglycine	Amine	alcohol	ketone	thiol	amide	amine	analine	phenol
D-ribose	Ether	aromatic-N	amide	amine	aromatic_s	Sp2 amine	sulfoxide	chlorate
D-ribose	Alcohol	alcohol	ketone	thiol	amide	amine	analine	phenol
Fumaric Acid	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
Galactaric acid	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
Galactaric acid	alcohol	alcohol	ketone	thiol	amide	amine	analine	phenol
Chrysin	Ketone	alcohol		thiol	amide	amine	analine	phenol

Co-crystal Former		i			Ī.			
Asparagine	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Asparagine	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
Asparagine	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Aspartic Acid	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Aspartic Acid	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Benzenesulfonic Acid	amine	metals	thioether		sulfate	alcohol		
Benzoic Acid	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Caffeine	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
Camphoric acid	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Capric acid	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Genistein	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
Genistein		alchohol		ester	ether	n-oxide	chlorine	fluorine
Genistein	chlorine		cyano	ester	amine	nitro	nitrate	bromine
Cinnamic acid	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Citric Acid	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
Citric Acid	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Clemizole	*sulfonamide	*ketone	ether	triazole		ammonium	oxime	*chlorine
Cyclamic Acid	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Cyclamic Acid	amine	metals	thioether		sulfate	alcohol		
Cysteine	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Cysteine	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Cysteine	arsenic	chlorine	alcohol	potassium	R		Rb	Sp
Dimethylglycine	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Dimethylglycine	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
D-ribose	chlorine		cyano	ester	amine	nitro	nitrate	bromine
D-ribose	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
Fumaric Acid	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Galactaric acid	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Galactaric acid	phosphate	sulfate	sulfone	nitrate	pyridine	carboxilic acid	metals	aldehyde
Chrysin	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals

Co-crystal Former								
Asparagine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Asparagine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Asparagine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Aspartic Acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Aspartic Acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Benzenesulfonic Acid	· 							
Benzoic Acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Caffeine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Camphoric acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Capric acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Genistein	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Genistein	bromine	iodine	ketone	sulfonic acid	sulfate	phosphate	phosphonic acid	carboxylic acid
Genistein	aldehyde	ketone	peroxide	epoxide			heterocyclic-S	iodine
Cinnamic acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Citric Acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Citric Acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
-			n-heterocyclic	- -		:		
Clemizole		thiol	rıng	thionedisulfide	thionedisultide pyrrolidindione lodine	logine	nydrazone	tniocyanate
Cyclamic Acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Cyclamic Acid								
Cysteine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Cysteine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Cysteine			-					
Dimethylglycine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Dimethylglycine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
D-ribose	aldehyde	ketone	peroxide	epoxide			heterocyclic-S	iodine
D-ribose	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Fumaric Acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Galactaric acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Galactaric acid	ester	ether	cyano		furan	bromine	chlorine	s-heterocyclic
Chrysin	aldehyde	ester	ether	cyano		furan	bromine	chlorine

Co-crystal Former							
Asparagine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Asparagine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Asparagine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Aspartic Acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Aspartic Acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Benzenesulfonic Acid							
Benzoic Acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Caffeine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	I
Camphoric acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Capric acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Genistein	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Genistein	nitro	sulfone	analine				
Genistein	ester	ether	carboxylic acid	sulfate	sulfone		alcohol
Cinnamic acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Citric Acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Citric Acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Clemizole	*bromine		hydroxamic acid	cyano	carboxamide	*sulfonic acid	*phosphoric acid
Cyclamic Acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Cyclamic Acid							
Cysteine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Cysteine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Cysteine							
Dimethylglycine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Dimethylglycine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
D-ribose	ester	ether	carboxylic acid	sulfate	sulfone		alcohol
D-ribose	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Fumaric Acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Galactaric acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Galactaric acid	pyridine	cyano	n-heterocyclic	ketone	phosphate ester		fluorine
Chrysin	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	

List A Sign	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Lich A	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Lie A Gio	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
7:00	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
7:00 C	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Delizeriesalionic Acid								
Benzoic Acid	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Caffeine	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Camphoric acid	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Capric acid	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Genistein	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Genistein								
Genistein		phospphate	cyanamide					
Cinnamic acid	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Citric Acid	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Citric Acid	fluorine	carbamate	imidazole	BF4			N-S02	thionrea
Clemizole	N-oxide	ester	ether	fluorine	acetate	thione	dithiadiazocyclopentadienyl	
Cyclamic Acid	fluorine	carbamate	imidazole	BF4			N-S02	thionrea
Cyclamic Acid								
Cysteine	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Cysteine	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Cysteine								
Dimethylglycine	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Dimethylglycine	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
D-ribose		phospphate	cyanamide					
	fluorine	carbamate	imidazole	BF4			N-SO2	thionrea
Fumaric Acid	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Galactaric acid	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Galactaric acid	carbamate	imidazole	BF4					
Chrysin	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea

Co-crystal Former			
Asparagine	iodine		
Asparagine	iodine	epoxide	peroxide
Asparagine	iodine		
Aspartic Acid	iodine		
Aspartic Acid	iodine		
Benzenesulfonic Acid			
Benzoic Acid	iodine		
Caffeine	iodine		
Camphoric acid	iodine		
Capric acid	iodine		
Genistein	iodine		
Genistein			
Genistein			
Cinnamic acid	iodine		
Citric Acid	iodine	epoxide	
Citric Acid	iodine		
Clemizole			
Cyclamic Acid	iodine		
Cyclamic Acid			
Cysteine	iodine		
Cysteine	iodine		
Cysteine			
Dimethylglycine	iodine		
Dimethylglycine	iodine		
D-ribose			
D-ribose	iodine	epoxide	
Fumaric Acid	iodine		
Galactaric acid	iodine		
Galactaric acid			
Chrysin	iodine		

	Co-crystal Former		İ				i	
Co-crystal Former	Functional Group	Interacting Group	Group					
Chrysin	Phenol	amine	amide	sulfoxide		pyridine	cyano	aldehyde
Chrysin	Ether	aromatic-N	amide	amine	aromatic_s	Sp2 amine	sulfoxide	chlorate
Gentisic acid	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
Gentisic acid	Phenol	amine	amide	sulfoxide	u	pyridine	cyano	aldehyde
Glucamine, N-methyl	alcohol	alcohol	ketone	thiol	amide	amine	analine	phenol
Glucamine, N-methyl	Amine	alcohol	ketone	thiol	amide	amine	analine	phenol
Gluconic Acid	Alcohol	alcohol	ketone	thiol	amide	amine	analine	phenol
Gluconic Acid	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
Glucosamine	alcohol	alcohol	ketone	thiol	amide	amine	analine	phenol
Glucuronic acid	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
Glucuronic acid	alcohol	alcohol	ketone	thiol	amide	amine	analine	phenol
Glucuronic acid	Aldehyde	alcohol	ketone	thiol	amide	amine	analine	phenol
Glutamic Acid	Amine	alcohol	ketone	thiol	amide	amine	analine	phenol
Glutamic Acid	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
Glutamine	Amine	alcohol	ketone	thiol	amide	amine	analine	phenol
Glutamine	Amide	alcohol	ketone	thiol	amide	amine	analine	phenol
Glutamine	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
Glutaric Acid	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
Glycine	Amine	alcohol	ketone	thiol	amide	amine	analine	phenol
Glycine	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
Glycolic Acid	Alcohol	alcohol	ketone	thiol	amide	amine	analine	phenol
Glycolic Acid	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
Hippuric Acid	Amide	alcohol	ketone	thiol	amide	amine	analine	phenol
Hippuric Acid	Amine	alcohol	ketone	thiol	amide	amine	analine	phenol
Hippuric Acid	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
Histidine	Amine	alcohol	ketone	thiol	amide	amine	analine	phenol
Histidine	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
Histidine	Imidazole	imidazole	chlorine	acetamide	carboxylate		thione	nitro
Hydroquinone	Alcohol	alcohol	ketone	thiol	amide	amine	analine	phenol
Hydroquinone	Phenol	amine	amide	sulfoxide	L	pyridine	cyano	aldehyde
Imidazole	Amine	alcohol	ketone	thiol	amide	amine	analine	phenol

oo-ci yatai i oililei								
Chrysin		alchohol		ester	ether	n-oxide	chlorine	fluorine
Chrysin	chlorine		cyano	ester	amine	nitro	nitrate	bromine
Gentisic acid	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Gentisic acid		alchohol		ester	ether	n-oxide	chlorine	fluorine
Glucamine, N-methyl	phosphate	sulfate	sulfone	nitrate	pyridine	carboxilic acid	metals	aldehyde
Glucamine, N-methyl	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Gluconic Acid	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
Gluconic Acid	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Glucosamine	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
Glucuronic acid	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Glucuronic acid	phosphate	sulfate	sulfone	nitrate	pyridine	carboxilic acid	metals	aldehyde
Glucuronic acid	phosphate	sulfate	sulfone	nitrate	pyridine	aromatic	carboxilic acid	metals
Glutamic Acid	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Glutamic Acid	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Glutamine	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Glutamine	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
Glutamine	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Glutaric Acid	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Glycine	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Glycine	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Glycolic Acid	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
Glycolic Acid	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Hippuric Acid	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Hippuric Acid	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Hippuric Acid	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Histidine	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Histidine	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
	. <u>.</u>							
Histidine	cyanamide	ketone	cyano	Carboxylic Acid	alcohol		thiol	amine
Hydroquinone	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
Hydroquinone		alchohol		ester	ether	n-oxide	chlorine	fluorine
Imidazole	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals

Co-crystal Former								
Chrysin	bromine	iodine	ketone	sulfonic acid	sulfate	phosphate	phosphonic acid	carboxylic acid
Chrysin	aldehyde	ketone	peroxide	epoxide			heterocyclic-S	iodine
Gentisic acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Gentisic acid	bromine	iodine	ketone	sulfonic acid	sulfate	phosphate	phosphonic acid	carboxylic acid
Glucamine, N-methyl	ester	ether	cyano		furan	bromine	chlorine	s-heterocyclic
Glucamine, N-methyl	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Gluconic Acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Gluconic Acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Glucosamine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Glucuronic acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Glucuronic acid	ester	ether	cyano		furan	bromine	chlorine	s-heterocyclic
Glucuronic acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Glutamic Acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Glutamic Acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Glutamine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Glutamine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Glutamine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Glutaric Acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Glycine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Glycine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Glycolic Acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Glycolic Acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Hippuric Acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Hippuric Acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Hippuric Acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Histidine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Histidine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
	phosphinic							
	acid							
	hemihydrat						-	
Histidine	Φ	chlorine sulfonyl	sulfonyl	sulfoxide	amide	fluorine	sulfonate ester	
Hydroquinone	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Hydroquinone	bromine	iodine	ketone	sulfonic acid	sulfate	phosphate	phosphonic acid	carboxylic acid
Imidazole	aldehyde	ester	ether	cyano		furan	bromine	chlorine

TABLE 11

Chrysin	nitro	sulfone	analine				
Chrysin	ester	ether	carboxylic acid	sulfate	sulfone		alcohol
Gentisic acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Gentisic acid	nitro	sulfone	analine				
Glucamine, N-methyl	pyridine	cyano	n-heterocyclic	ketone	phosphate ester		fluorine
Glucamine, N-methyl	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Gluconic Acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Gluconic Acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Glucosamine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Glucuronic acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Glucuronic acid	pyridine	cyano	n-heterocyclic	ketone	phosphate ester		fluorine
Glucuronic acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Glutamic Acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Glutamic Acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Glutamine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Glutamine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Glutamine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Glutaric Acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Glycine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Glycine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Glycolic Acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Glycolic Acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Hippuric Acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Hippuric Acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Hippuric Acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Histidine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Histidine	s-heterocyclic	pyridine	суапо	n-heterocyclic	ketone	phosphate ester	
Histidine			:	!			
Hydroquinone	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Hydroquinone	nitro	sulfone	analine				
Imidazole	s-heterocyclic	pvridine	cvano	n-heterocyclic	ketone	phosphate ester	

Co-crystal Former								
Chrysin								
Chrysin		phospphate	cyanamide					
Gentisic acid	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Gentisic acid								
Glucamine, N-methyl	carbamate	imidazole	BF4					
Glucamine, N-methyl	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Gluconic Acid	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Gluconic Acid	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Glucosamine	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Glucuronic acid	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Glucuronic acid	carbamate	imidazole	BF4					
Glucuronic acid	fluorine	carbamate	imidazole	BF4	alkane	aromatic	N-SO2	thiourea
Glutamic Acid	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Glutamic Acid	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Glutamine	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Glutamine	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Glutamine	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Glutaric Acid	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Glycine	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Glycine	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Glycolic Acid	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Glycolic Acid	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Hippuric Acid	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Hippuric Acid	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Hippuric Acid	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Histidine	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Histidine	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Histidine								
Hydroquinone	fluorine	carbamate	imidazole	BF4			N-SO2	thionrea
Hydroquinone								
Imidazole	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea

Chrysin Chrysin Gentisic acid Gentisic acid Glucamine, N-methyl Gluconic Acid Glucosamine Glucoronic Acid Glucuronic acid Glucuronic acid Glutamic Acid Glutamic Acid Glutamic Acid Glutamic Acid Glutamic Acid Glutamine Glutamine Glutamine Glutamine Glutamine iodine Glutamine iodine Glutamine	gripo		
acid acid ne, N-methyl ne, N-methyl c Acid mir acid nic acid nic acid c Acid	gipci		
nethyl nethyl	adipo		
nethyl	פווים		
nethyl			
nethyl			
	iodine		
	iodine	epoxide	
	iodine		
	iodine	epoxide	
	iodine		
	iodine	epoxide	
	iodine		
	iodine		
	iodine		
	iodine	epoxide	peroxide
	iodine		
Acid	iodine		
	iodine		
	iodine		
Glycolic Acid iodir	iodine	epoxide	
Glycolic Acid lodir	iodine		
Hippuric Acid iodir	iodine	epoxide	peroxide
Hippuric Acid iodir	iodine		
Hippuric Acid iodii	iodine		
Histidine	iodine		
Histidine	iodine		
3	iodine	epoxide	
Hydroquinone			
Imidazole	iodine		

Co-crystal Former								
	Functional Group	Interacting Group	Group					
Ipriflavone	Ether	aromatic-N	amide	amine	aromatic_s	Sp2 amine	sulfoxide	chlorate
Ipriflavone	Ketone	alcohol		thiol	amide	amine	analine	phenol
Isoleucine	Amine	alcohol	ketone	thiol	amide	amine	analine	phenol
Isoleucine	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
lactobionic acid	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
Lactobionic acid	alcohol	alcohol	ketone	thiol	amide	amine	analine	phenol
Lactobionic acid	Ether	aromatic-N	amide	amine	aromatic_s	Sp2 amine	sulfoxide	chlorate
Lauric acid	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
Leucine	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
Leucine	Amine	alcohoi	ketone	thiol	amide	amine	analine	phenol
Lysine	Amine	alcohol	ketone	thiol	amide	amine	analine	phenol
Lysine	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
Maleic	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
Malic Acid	Alcohol	alcohol	ketone	thiol	amide	amine	analine	phenol
Malic Acid	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
Malonic	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
Mandelic Acid	Alcohol	alcohol	ketone	thiol	amide	amine	analine	phenol
Mandelic Acid	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
Methionine	Amine	alcohol	ketone	thiol	amide	amine	analine	phenol
Methionine	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
Methionine	Thioether	z	amide	amine	S	Sp2 amine	sulfoxide	chlorate
								*Carboxylic
Nicotinamide	Pyridine	*alcohol		*	*amide	nitro	*amine	Acid
Nicotinamide	Amide	alcohol	ketone	thiol	amide	amine	analine	phenol
Nicotinic Acid	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
	:					:		*Carboxylic
Nicotinic Acid	Pyridine	*alcohol		*	*amide	nitro	*amine	Acid
Orotic acid	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
Orotic acid	Lactam	alcohol	ketone	thiol	amide	amine	analine	phenol
Oxalic acid	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
Palmitic acid	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
Pamoic acid	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
Pamoic acid	alcohol	alcohol	ketone	thiol	amide	amine	analine	phenol
Pamoic acid	Phenol	amine	amide	sulfoxide	n	pyridine	cyano	aldehyde

Co-crystal Former								
Ipriflavone	chlorine		cyano	ester	amine	nitro	nitrate	bromine
Ipriflavone	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
Isoleucine	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Isoleucine	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
lactobionic acid	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Lactobionic acid	phosphate	sulfate	sulfone	nitrate	pyridine	carboxilic acid	metals	aldehyde
Lactobionic acid	chlorine		cyano	ester	amine	nitro	nitrate	bromine
Lauric acid	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	
Leucine	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
Leucine	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Lysine	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Lysine	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Maleic	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Malic Acid	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
Malic Acid	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Malonic	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Mandelic Acid	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
Mandelic Acid	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Methionine	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Methionine	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Methionine	chlorine		cyano	ester	amine	nitro	nitrate	bromine
Nicotinamide	*sulfonamide	*ketone	ether	triazole		ammonium	oxime	*chlorine
Nicotinamide	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
Nicotinic Acid	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
Nicotinic Acid	*sulfonamide	*ketone	ether	triazole		ammonium	oxime	*chlorine
Orotic acid	phosphate	sulfate	sulfone	nitrate	pyridine	!	carboxilic acid	
Orotic acid	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
Oxalic acid	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	
Palmitic acid	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	
Pamoic acid	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	
Pamoic acid	phosphate	sulfate	sultone	nitrate	pyridine	carboxilic acid	metals	aldehyde
Pamoic acid		alchohol		ester	ether	n-oxide	chlorine	fluorine

Co-crystal rormer	_							The same of the sa
Ipriflavone	aldehyde	ketone	peroxide	epoxide			heterocyclic-S	iodine
Ipriflavone	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Isoleucine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Isoleucine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
lactobionic acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Lactobionic acid	ester	ether	cyano		furan	bromine	chlorine	s-heterocyclic
Lactobionic acid	aldehyde	ketone	peroxide	epoxide			heterocyclic-S	iodine
Lauric acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Leucine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Leucine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Lysine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Lysine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Maleic	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Malic Acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Malic Acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Mafonic	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Mandelic Acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Mandelic Acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Methionine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Methionine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Methionine	aldehyde	ketone	peroxide	epoxide	Ag	Se	heterocyclic-S	iodine
			n-heterocyclic					
Nicotinamide		thiol	ring	thionedisulfide	thionedisulfide pyrrolidindione	iodine	hydrazone	thiocyanate
Nicotinamide	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Nicotinic Acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Nicotinic Acid	·	thio!	n-heterocyclic	thionedisulfide	thionedisulfide lovrrolidindione	iodine	hydrazone	thiocvanate
Orotic acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Orotic acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Oxalic acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Palmitic acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Pamoic acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Pamoic acid	ester	ether	cyano		furan	bromine	chlorine	s-heterocyclic
Pamoic acid	bromine	iodine	ketone	sulfonic acid	sulfate	phosphate	phosphonic acid	carboxylic acid

Co-crystal Former							
Ipriflavone	ester	ether	carboxylic acid	sulfate	sulfone		alcohol
Ipriflavone	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Isoleucine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Isoleucine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
lactobionic acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Lactobionic acid	pyridine	cyano	n-heterocyclic	ketone	phosphate ester		fluorine
Lactobionic acid	ester	ether	carboxylic acid	sulfate	sulfone		alcohol
Lauric acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Leucine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Leucine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Lysine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Lysine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Maleic	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Malic Acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Malic Acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Malonic	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Mandelic Acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Mandelic Acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Methionine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Methionine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Methionine	ester	ether	carboxylic acid	sulfate	sulfone		alcohol
Nicotinamide	*bromine		hvdroxamic acid	cvano	carboxamide	*sulfonic acid	*phosphoric acid
Nicotinamide	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Nicotinic Acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Nicotinic Acid	*bromine		hydroxamic acid	cyano	carboxamide	*sulfonic acid	*phosphoric acid
Orotic acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Orotic acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Oxalic acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Palmitic acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Pamoic acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Pamoic acid	pyridine	cyano	n-heterocyclic	ketone	phosphate ester		fluorine
Pamoic acid	nitro	sulfone	analine				

Co-crystal Former								
Ipriflavone		phospphate	cyanamide					
Ipriflavone	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Isoleucine	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Isoleucine	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
lactobionic acid	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Lactobionic acid	carbamate	imidazole	BF4					
Lactobionic acid		phospphate	cyanamide					
Lauric acid	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Leucine	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Leucine	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Lysine	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Lysine	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Maleic	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Malic Acid	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Malic Acid	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Malonic	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Mandelic Acid	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Mandelic Acid	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Methionine	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Methionine	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Methionine		phospphate						
Nicotinamide	N-oxide	ester	ether	fluorine	acetate	thione	dithiadiazocyclopentadienyl	
Nicotinamide	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Nicotinic Acid	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Nicotinic Acid	N-oxide	ester	ether	fluorine	acetate	thione	dithiadiazocyclopentadienyl	
Orotic acid	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Orotic acid	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Oxalic acid	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Palmitic acid	fluorine	carbamate	imidazole	BF4			N-SO2	thionrea
Pamoic acid	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Pamoic acid	carbamate	imidazole	BF4					
Pamoic acid								

Ipriflavone Ipriflavone			
Ipriflavone			
	iodine		
Isoleucine	iodine		
Isoleucine	iodine		
factobionic acid	iodine		
Lactobionic acid			
Lactobionic acid			
Lauric acid	iodine		
Leucine	iodine		
Leucine	iodine		
Lysine	iodine		
Lysine	iodine		
Maleic	iodine		
Malic Acid	iodine	epoxide	
Malic Acid	iodine		
Malonic	iodine		
Mandelic Acid	iodine	epoxide	
Mandelic Acid	iodine		
Methionine	iodine		
Methionine	iodine		
Methionine			
Nicotinamide			
Nicotinamide	iodine	epoxide	peroxide
Nicotinic Acid	iodine		
Nicotinic Acid	;		
Orotic acid	iodine		
Orotic acid	iodine	epoxide	peroxide
Oxalic acid	iodine		
Palmitic acid	iodine		
Pamoic acid	iodine		
Pamoic acid			
Pamoic acid			

	Co-crystal Former							
Co-crystal Former	Functional Group	Interacting Group	Group					
Phenylalanine	Amine	alcohol	ketone	thiol	amide	amine	analine	phenol
Phenylalanine	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
Piperazine	Amine	alcohol	ketone	thiol	amide	amine	analine	phenol
Procaine	Amine	alcohol	ketone	thiol	amide	amine	analine	phenol
Procaine	Ketone	alcohol		thiol	amide	amine	analine	phenol
Proline	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
Proline	Amine	alcohol	ketone	thiol	amide	amine	analine	phenol
								Carboxylic
p-Toluenesulfonic acid	Sulfonic Acid	pyridine	ketone	aldehyde	ether	ester	amide	Acid
Pyridoxamine	Alcohol	alcohol	ketone	thiol	amide	amine	analine	phenol
Pyridoxamine	Amine	alcohol	ketone	thiol	amide	amine	analine	phenol
								*Carboxylic
Pyridoxamine	Pyridine	*alcohol		*	*amide	nitro	*amine	Acid
Pyridoxine								*Carboxylic
(4-Pyridoxic Acid)	Pyridine	*alcohol	pyridinium	*	*amide	nitro	*amine	Acid
Pyridoxine								
(4-Pyridoxic Acid)	Alcohol	alcohol	ketone	thiol	amide	amine	analine	phenol
Pyroglutamic acid	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
Pyroglutamic acid	Lactam	alcohol	ketone	thiol	amide	amine	analine	phenol
Quercetin	Ketone	alcohol		thiol	amide	amine	analine	phenol
Quercetin	Phenol	amine	amide	sulfoxide	L	pyridine	cyano	aldehyde
Quercetin	Ether	aromatic-N	amide	amine	aromatic_s	Sp2 amine	sulfoxide	chlorate
Resveratrol	Ketone	alcohol		thiol	amide	amine	analine	phenol
Resveratrol	Phenol	amine	amide	sulfoxide	_	pyridine	cyano	aldehyde
Saccharin	Amide	alcohol	ketone	thiol	amide	amine	analine	phenol
Saccharin	Ketone	alcohol		thiol	amide	amine	analine	phenol
								Carboxylic
Saccharin	Sulfoxide	pyridine	ketone	aldehyde	ether	ester	amide	Acid
Saccharin	Amine	alcohol	ketone	thiol	amide		analine	phenol
Salicylic Acid	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
Salicylic Acid	Alcohol	alcohol	ketone	thiol	amide	amine	analine	phenol
Salicylic Acid, 4-amino	Carboxylic Acid	alcohol	ketone	thiol	amide	amine	analine	phenol
Salicylic Acid, 4-amino	alcohol	alcohol	ketone	thiol	amide	amine	analine	phenol
Salicylic Acid, 4-amino	Amine	alcohol	ketone	thiol	amide	amine	analine	phenol

Co-crystal Former								
Phenylalanine	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Phenylalanine	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Piperazine	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Procaine	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Procaine	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
Proline	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Proline	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
p-Toluenesulfonic acid	amine	metals	thioether		sulfate	alcohol		
Pyridoxamine	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
Pyridoxamine	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Pyridoxamine	*sulfonamide	*ketone	ether	triazole		ammonium	oxime	*chlorine
Pyridoxine (4.Pyridoxic Acid)	*sulfonamide	*ketone	ether	triazola		mildomme	owixo	*chlorine
Pyridoxine		200		0.070				2 2 2
(4-Pyridoxic Acid)	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
Pyroglutamic acid	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Pyroglutamic acid	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
Quercetin	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
Quercetin		alchohol		ester	ether	n-oxide	chlorine	fluorine
Quercetin	chlorine		cyano	ester	amine	nitro	nitrate	bromine
Resveratrol	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
Resveratrol		alchohol		ester	ether	n-oxide	chlorine	fluorine
Saccharin	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
Saccharin	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
Saccharin	amine	metals	thioether		sulfate	alcohol		
Saccharin	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
Salicylic Acid	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Salicylic Acid	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
Salicylic Acid, 4-amino	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Salicylic Acid, 4-amino	phosphate	sulfate	sulfone	nitrate	pyridine	carboxilic acid	metals	aldehyde
Salicylic Acid, 4-amino	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals

Co-crystal Former								
Phenylalanine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Phenylalanine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Piperazine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Procaine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Procaine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Proline	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Proline	aldehyde	ester	ether	cyano		furan	bromine	chlorine
p-Toluenesulfonic acid								
Pyridoxamine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Pyridoxamine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
			n-heterocyclic					
Pyridoxamine		thiol	ring	thionedisulfide		iodine	hydrazone	thiocyanate
Pyridoxine			n-heterocyclic					
(4-Pyridoxic Acid)		thiol	ring	thionedisulfide	thionedisulfide pyrrolidindione iodine	iodine	hydrazone	thiocyanate
Pyridoxine								
(4-Pyridoxic Acid)	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Pyroglutamic acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Pyroglutamic acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Quercetin	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Quercetin	bromine	iodine	ketone	sulfonic acid	sulfate	phosphate	phosphonic acid	carboxylic acid
Quercetin	aldehyde	ketone	peroxide	epoxide			heterocyclic-S	iodine
Resveratrol	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Resveratrol	bromine	iodine	ketone	sulfonic acid	sulfate	phosphate	phosphonic acid	carboxylic acid
Saccharin	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Saccharin	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Saccharin	;							
Saccharin	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Salicylic Acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Salicylic Acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Salicylic Acid, 4-amino	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Salicylic Acid, 4-amino	ester	ether	cyano		furan	bromine	chlorine	s-heterocyclic
Salicylic Acid, 4-amino	aldehyde	ester	ether	cyano		furan	bromine	chlorine

Co-crystal Former							
Phenylalanine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Phenylalanine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Piperazine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Procaine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Procaine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Proline	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Proline	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
p-Toluenesulfonic acid						:	
Pyridoxamine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Pyridoxamine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Pyridoxamine	*bromine		hydroxamic acid	cyano	carboxamide	*sulfonic acid	*phosphoric acid
Pyridoxine (4-Pvridoxic Acid)	*bromine		hydroxamic acid	cvano	carboxamide	*sulfonic acid	*phosphoric acid
Pyridoxine							
(4-Pyridoxic Acid)	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Pyroglutamic acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Pyroglutamic acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Quercetin	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Quercetin	nitro	sulfone	analine				
Quercetin	ester	ether	carboxylic acid	sulfate	sulfone		alcohol
Resveratrol	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Resveratrol	nitro	sulfone	analine				
Saccharin	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Saccharin	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Saccharin							
Saccharin	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Salicylic Acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Salicylic Acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Salicylic Acid, 4-amino	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Salicylic Acid, 4-amino	pyridine	cyano	n-heterocyclic	ketone	phosphate ester		fluorine
Salicylic Acid, 4-amino	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	

Co-crystal Former								
Phenylalanine	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Phenylalanine	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Piperazine	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Procaine	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Procaine	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Proline	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Proline	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
p-Toluenesulfonic acid								
Pyridoxamine	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Pyridoxamine	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Pyridoxamine	N-oxide	ester	ether	fluorine	acetate	thione	dithiadiazocyclopentadienyl	
Pyridoxine								
(4-Pyridoxic Acid)	N-oxide	ester	ether	fluorine	acetate	thione	dithiadiazocyclopentadienyl	
Pyridoxine (4-Pyridoxic Acid)	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Pyroglutamic acid	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Pyroglutamic acid	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Quercetin	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Quercetin								
Quercetin		phospphate	cyanamide					
Resveratrol	fluorine	carbamate	imidazole	BF4			N-SO2	thionrea
Resveratrol								
Saccharin	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Saccharin	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Saccharin								
Saccharin	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Salicylic Acid	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Salicylic Acid	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Salicylic Acid, 4-amino	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Salicylic Acid, 4-amino	carbamate	imidazole	BF4					
Salicylic Acid, 4-amino	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea

Co-crystal Former			
Phenylalanine	iodine		
Phenylalanine	iodine		
Piperazine	iodine		
Procaine	iodine		
Procaine	iodine		
Proline	iodine		
Proline	iodine		
p-Toluenesulfonic acid			
Pyridoxamine	iodine	epoxide	
Pyridoxamine	iodine		
Pyridoxamine			
Pyridoxine			
(4-Pyridoxic Acid)			
Pyridoxine			
(4-Pyridoxic Acid)	iodine	epoxide	
Pyroglutamic acid	iodine		
Pyroglutamic acid	iodine	epoxide	peroxide
Quercetin	iodine		
Quercetin			
Quercetin			
Resveratrol	iodine		
Resveratrol			
Saccharin	iodine	epoxide	peroxide
Saccharin	iodine		
Saccharin			
Saccharin	iodine		
Salicylic Acid	iodine		
Salicylic Acid	iodine	epoxide	
Salicylic Acid, 4-amino	iodine		
Salicylic Acid, 4-amino	iodine		

Interacting Group thiol amide amine Alic Acid alcohol ketone thiol amide amine Alic Acid alcohol ketone thiol amide amine Alcohol ketone thiol		Co-crystal Former							
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Alcohol Alcohol High	amin K5	Alcohol	alcohol	ketone	thiol	amide	amine	analine	phenol
	litol	Alcohol	alcohol	ketone	thiol	amide	amine	analine	phenol
DIDON DE LA CONTRACTION DEL CONTRACTION DE LA CO	11(0)	Alconol	alconol	_	etone		thiol	thiol amide	thiol amide amine

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Sebacic acid	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Serine	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
Serine	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Serine	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
Stearic acid	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Succinic Acid	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
Tartaric Acid	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
Threonine	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Threonine	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Threonine	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
Tris	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Tris	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
Tryptophan	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Tryptophan	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Tryptophan	*sulfonamide	*ketone	ether	triazole		ammonium	oxime	*chlorine
Tyrosine	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Tyrosine	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Tyrosine	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
Urea	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
Urea	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Urea	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
Valine	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Valine	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Vitamin K5	phosphate	sulfate	sulfone	nitrate	pyridine		carboxilic acid	metals
Vitamin K5	phosphate	sulfate	sulfone	nitrate	pyridine		Carboxylic Acid	metals
Xylitol	phosphate	sulfate	sulfone	nitrate	pvridine		Carboxvlic Acid	metals

Co-crystal Former	abydable	poter	ether	Cvano		furan	bromine	chlorine
Serine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Serine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Serine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Stearic acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Succinic Acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Tartaric Acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Threonine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Threonine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Threonine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Tris	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Tris	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Tryptophan	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Tryptophan	aldehyde	ester	ether	cyano		furan	bromine	chlorine
			n-heterocyclic				<u> </u>	
Tryptophan		thiol	ring	thionedisulfide	thionedisulfide pyrrolidindione	iodine	hydrazone	thiocyanate
Tyrosine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Tyrosine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Tyrosine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Urea	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Urea	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Urea	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Valine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Valine	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Vitamin K5	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Vitamin K5	aldehyde	ester	ether	cyano		furan	bromine	chlorine
Xvlitol	aldehyde	ester	ether	cyano		furan	bromine	chlorine

Co-crystal Former							
Sebacic acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Serine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Serine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Serine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Stearic acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Succinic Acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Tartaric Acid	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Threonine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Threonine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Threonine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Tris	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Tris	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Tryptophan	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Tryptophan	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Tryptophan	*bromine	_	hydroxamic acid	cvano	carboxamide	*sulfonic acid	*phosphoric acid
Tyrosine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	بق	-
Tyrosine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Tyrosine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Urea	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Urea	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Urea	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Valine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Valine	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Vitamin K5	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Vitamin K5	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	
Xylitol	s-heterocyclic	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	

Co-crystal Former								
Sebacic acid	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Serine	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Serine	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Serine	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Stearic acid	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Succinic Acid	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Tartaric Acid	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Threonine	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Threonine	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Threonine	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Tris	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Tris	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Tryptophan	fluorine	carbamate	imidazole	BF4			N-SO2	thiourea
Tryptophan	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
	T:SC	,	4				1	
a	N-Oxide	esiei	alle	inollie	acetate	FINORIE	dimadiazocyclopeniadienyi	
	fluorine	carbamate	imidazole	BF4			N-S02	thionrea
Tyrosine	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Tyrosine	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Urea	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Urea	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Urea	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Valine	fluorine	carbamate	imidazole	BF4			N-S02	thionrea
Valine	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Vitamin K5	fluorine	carbamate	imidazole	BF4			N-S02	thiourea
Xylitol	fluorine	carbamate	imidazole	BF4			N-S02	thiourea

Sebacic acid iodine Serine iodine Tartaric Acid iodine Threonine iodine Threonine iodine Tris iodine Tris iodine Tryptophan iodine Typtophan iodine Typtophan iodine Tyrosine iodine Tyrosine iodine Urea iodine Urea iodine Valine iodine Valine iodine Vitamin K5 iodine Vitamin K5 iodine Vitamin K5 iodine Iodine epoxide Vitamin K5 iodine Iodine epoxide	Co-crystal Former			
iodine lodine acid acid lodine epoxide acid lodine epoxide lodine epoxide lodine line lodine epoxide lodine epoxide lodine epoxide lodine epoxide lodine epoxide lodine lo	Sebacic acid	iodine		
iodine epoxide iodine epoxide iodine epoxide iodine epoxide ine ine iodine epoxide ine ine iodine epoxide ine iodine epoxide iodine epoxide iodine iodine epoxide iodine epoxide iodine iodine epoxide iodine	Serine	iodine		
iodine epoxide condition or acid or ac	Serine	iodine		
ic Acid iodine con iodine con interestinate con iodine	Serine	iodine	epoxide	
ic Acid iodine control of the intermental of the intermental of the iodine control of th	Stearic acid	iodine		
ine iodine iodine ine ine ine ine ine ine iodine io	Succinic Acid	iodine		
ine iodine iodine ine ine ine ine ine ine ine iodine epoxide iodine epoxide iodine epoxide iodine iodine iodine epoxide iodine epoxide iodine	Tartaric Acid	iodine		
ine iodine epoxide iodine epoxide oldine epoxide iodine epoxide oldine oldine oldine oldine epoxide oldine epoxide iodine epoxide	Threonine	iodine		
ine iodine epoxide obaide blank iodine epoxide oblan iodine epoxide oblank iodine epoxide	Threonine	iodine		
iodine epoxide ohan iodine epoxide ohan iodine epoxide ohan iodine epoxide iodine iodine epoxide	Threonine	iodine	epoxide	
ohan iodine epoxide ohan ohan iodine ohan ohan iodine ohan ohan iodine epoxide ohan ohan ohan ohan ohan ohan ohan ohan	Tris	iodine		
ohan iodine ohan ohan ohan ohan ohan ohan ohan ohan	Tris	iodine	epoxide	
ohan iodine ohan ohan iodine epoxide ohan ie iodine epoxide ohan iodine epoxide ohan iodine epoxide ohan iodine ohan iodine ohanide ohan	Tryptophan	iodine		
ohan le iodine le iodine epoxide lodine iodine lodine epoxide lodine epoxide	Tryptophan	iodine		
iodine epoxide iodine epoxide iodine epoxide iodine	Toutonhan			
iodine epoxide iodine epoxide iodine epoxide iodine epoxide iodine iodine iodine iodine iodine iodine iodine epoxide iodine iodine epoxide iodine iodine epoxide iodine iodine epoxide	Tvrosine	iodine		
iodine epoxide iodine epoxide iodine epoxide iodine iodine iodine iodine iodine iodine iodine iodine epoxide iodine epoxide iodine epoxide iodine epoxide	Tyrosine	iodine		
iodine iodine epoxide iodine epoxide iodine iodine epoxide	Tyrosine	iodine	epoxide	
iodine epoxide iodine epoxide iodine iodine iodine iodine iodine iodine iodine iodine iodine epoxide iodine epoxide	Urea	iodine		
iodine epoxide iodine iodine iodine iodine iodine iodine iodine epoxide iodine epoxide	Urea	iodine		
iodine iodine iodine iodine iodine iodine iodine iodine	Urea	iodine	epoxide	peroxide
iodine iodine iodine iodine iodine	Valine	iodine		
n K5 iodine n K5	Valine	iodine		
n K5 iodine iodine	Vitamin K5	iodine		
iodine	Vitamin K5	iodine	epoxide	
	Xylitol	iodine	epoxide	

Functional Group	Functional Group Structure	Interacting Group					
pyridine		*alcohol	pyridinium	*amide	nitro	*amine	*carboxilic acid
imidazol	TZ Z	imidazole	chlorine	acetamide	carboxylate	thione	nitro
Hydroxamic acid	O NH	hydroxamic acid (alcohol	alcohol	phosphinic ester	alkane	pyridine	amide
peroxide	В0-ОН	ester	peroxide	amide	ether	alkane	N-heterocycle
epoxide		alkane	bromine	alcohoi	ester	epoxide	amide
thioester	S O N	aromatic	thioester	alkane	sulfamide	hydroxy	bromine
thioketone	S C	alkane	thioketone	kefone	DE	AMINE	thiol

Functional Group									
pyridine	*sulfonamide	*ketone	ether	triazole	alkane	ammonium oxime	oxime	*chlorine	alkyne
imidazole	cyanamide	ketone	cyano	carboxilic acid	alcohol	alkane	thiol	amine	phosphinic acid hemihydrate
Hydroxamic acid	sulfonamide	carboxylate	phosphine	amine	aromatic				
peroxide	aromatic	alcohol	pyrimidinedione analine	analine	thiazole	peroxy acid ketone	ketone	carboxilic acid	azide
epoxide	alkene	hydrazone	aromatic	thioether	ketone	aldehyde	chlorine	carboxilic acid	alkyne
thioester	iodine	amine	cyano	thioketone	amide		chlorine	nitro	
thioketone	sulfoxide	oxo.	chlorine	bromine	AROMATIC alkene	alkene	sulfone	iodine	AZOXY

Functional Group									
pyridin	thiol	n-heterocyclic ring	thionedisulfide	pyrrolidindione iodine		hydrazone	hydrazone thiocyanate	*bromine	aromatic
imidazole	chlorine	sulfonyl	sulfoxide	amide	fluorine	sulfonate ester			
Hydroxamic acid									
peroxide	phosphine oxide	sulfonamide	analine						
epoxide		ammonium	fluorine	nitro	amine	cyano			
thio ster									
thioketone	potassium	epoxide	n-oxide	cyano	iron	cobalt	amine	sulfate	

Functional Group											-
pyridine	hydroxamic acid	cyano	carboxamide	*sulfonic acid	*phosphoric acid	N-oxide	ester	ether	fluorine	acetate	thione
imidazole											
Hydroxamic acid											
peroxide											
epoxide											
thioester											
thioketone											

Functional Group				
pyridine	dithiadiazocyclop entadienyl			
imidazole				
Hydroxamic acid				
peroxide				
epoxide				
thioester				
thioketone				

Functional Group	Functional Group Structure	Interacting Group	Ω				
	ONO ₂						
nitrate ester		aromatic	amide	alkane	chlorine	nitrate ester	bromine
Thiophosphate ester-O	°————————————————————————————————————	amine	imidazole	cyclic amide			
Phosphate ester	.0——b——0——	aromatic	alcohol		aromatic N-	pyridine	analine
Ketone	O	alcohol	ketone	thiol	<u>a</u>	amine	analine
Aldehyde	O	alcohol	ketone	thiol	amide	amine	analine
Thiol	RSH	carboxylic acid	sodium	aldehyde	ketone	aromatic-N	cadmium
Alcohol	КОН	alcohol	ketone	thiol	amide	amine	analine

Functional Group									
nitrate est r	alcohol	ether	acetate						
Thiophosphate ester-O									
Phosphate ester	amine		sodium	potassium	lithium	carboxylic	amide	alkane	
Ketone	phenol	phosphate	sulfate	sulfone	nitrate	pyridine	aromatic	carboxilic acid metals	metals
Aldehyde	phenol	phosphate	sulfate	sulfone	nitrate		aromatic	carboxilic acid metals	metals
Thiol	alkane	arsenic	chlorine	alcohol	potassium	Ru	aromatic	Rb	Sb
Alcohol	phenol	phosphate	sulfate	sulfone	nitrate	pyridine	aromatic	carboxilic acid metals	metals

Functional Group								
200								
Thiophosphate								
Phosphate ester								
Ketone	aldehyde	ester	ether	cyano	furan	bromine	chlorine	s-heterocyclic
Aldehyde	aldehyde	ester	ether	суапо	furan	bromine	chlorine	s-heterocyclic
Thiol								
Alcohol	aldehyde	ester	ether	cyano	furan	bromine	chlorine	s-heterocyclic

Functional Group										
nitrate ester										
Thiophosphate ester-O										
Phosphate ester										
Ketone	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	fluorine	fluorine carbamate	imidazole	BF4	alkane
Aldehyde	pyridine	cyano	n-heterocyclic ketone	ketone	phosphate ester	fluorine	fluorine carbamate	imidazole	BF4	alkane
Thiol										
Alcohol	pyridine	cyano	n-heterocyclic ketone	ketone	phosphate ester	fluorine	fluorine carbamate	imidazole	BF4	alkane

Functional Group						
nitrat ester						
Thiophosphate st r-O						
Phosphate ester						
Ketone	aromatic	N-SO2	thiourea	iodine		
Aldehyde	aromatic	N-SO2	thiourea	iodine	epoxide	
Thiol						
loi	aromatic	N-SO2	thiourea	iodine	epoxide	

Functional Group	Functional Group Structure	Interacting Group	Ω.				
Thiogher	R R	oromotic N	omide	o cie	o citomore	Co O	C C
	R 0 R						
Ether		aromatic-N	amide	amine	aromatic_s	Sp2 amine	sulfoxide
	N C						
Cyanamide		cyano	amine	potassium	aromatic-N	bromine	sodium
	SC===N						
Thiocyanate		aromatic-S	ester	ether	,		
sP2 amine	¥ ±	thioether	aqq	m Seta Se	MoOCIA	BE4	romine
	RNH ₂						
Amine primary		alcohol	ketone	thiol	amide	amine	analine
Amine secondary	R ₂ NH	alcohol	ketone	thiol	amide	amine	analine

Functional Group									
Thioether	chlorate	chlorine	alkyne	суапо	ester	amine	nitro	nitrate	bromine
Ether	chlorate	chlorine	alkyne	cyano	ester	amine	nitro	nitrate	bromine
Cyanamide	imidazole	ether	n-heterocyclic	alcohol	cesium	Ag			
Thiocyanate									
sP2 amine	chlorine		Sp2 amine	sulfate	Osmium				
Amin primary	phenol	phosphate	sulfate	sulfone	nitrate	pyridine	aromatic	carboxilic acid	metals
Amine secondary	phenol	phosphate	sulfate	sulfone	nitrate	pyridine	aromatic	carboxilic acid metals	metals

Functional Group									
Thioether	aldehyde	ketone	peroxide	epoxide	Đ ợ	Se	heteracyclic-S iodine	iodine	ester
Ether	aldehyde	ketone		epoxide	Ag	Se	heterocyclic-S iodine	iodine	ester
Cyanamide									
Thiocyanate									
sP2 amine									
Amine primary	aldehyde	ester	ether	cyano		furan	bromine	chlorine	s-heterocyclic
Amine secondary	aldehyde	ester	ether	cyano		furan	bromine	chlorine	s-heterocyclic

Functional Group											
Thioether	ether	carboxylic	sulfate	sulfone	alkane	alcohol		phospphate			
Ether	ether	oxylic	sulfate	sulfone	alkane	alcohol		phospphate cyanamide	суапатіде		
Cyanamide											
Thiocyanate											
sP2 amine				!							
Amine primary	pyridine	cyano	n-heterocyclic ketone	ketone	phosphate ester	Į.	luorine	fluorine carbamate	imidazole	BF4	alkane
Amine secondary	pyridine	cyano	n-heterocyclic ketone	ketone	phosphate ester	<u></u>	luorine	fluorine carbamate imidazole		BF4	alkane

TABLE III

Functional Group					
Thioether					
Ether					
Cyanamide					
Thiocyanate					
sP2 amine					
Amine primary	aromatic	N-S02	thiourea	iodine	
Amine secondary	aromatic	N-S02	thiourea	iodine	

Functional Group	Functional Group Structure	Interacting Group	ď				
	R ₃ N			- :	:	•	:
Amin t rtiary	C	alconol	ketone	thiol	amide	amine	analine
	> =						
Amide	R NH ₂	alcohol	ketone	thiol	amide	amine	analine
	R—————————————————————————————————————						
Sulfonic acid	=0 (pyridine	ketone	aldehyde	ether	ester	amide
	R 						
Phosphinic acid	—×	alkane	potassium	lithium	n-heterocyclic oxime	oxime	amide
	o===0						
Phosphonic acid	—— HO	alkane	potassium	lithium	n-heterocyclic oxime	oxime	amide
	o==						
Carboxylic acid	В	alcohol	ketone	thiol	amide	amine	analine

Functional Group									
Amine tertiary	phenol	phosphate	sulfate	sulfone	nitrate	pyridine	aromatic	carboxilic acid metals	metals
Amide	phenol	phosphate	sulfate	sulfone	nitrate	pyridine	aromatic	carboxilic acid metals	metals
Sulfonic acid	carboxilic acid	acid amine	metals	thioether		sulfate	alcohol		
Phosphinic acid	phenol	aromatic	amine	alcohol		metals		ī	
Phosphonic acid	phenol	aromatic	amine	alcohol		metals	carboxylic acid	Sp2 amine	analine
Carboxylic acid	phenol	phosphate	sulfate	sulfone	nitrate	pyridine	aromatic	carboxilic acid metals	metals

Functional Group					:				
Amine tertiary	aldehyde	ester	ether	cyano		furan	bromine	chlorine	s-heterocyclic
Amide	aldehyde	ester	ether	суапо		furan	bromine	chlorine	s-heterocyclic
Sulfonic acid									
Phosphinic acid									
Phosphonic acid	ether	phosphonic acid	aromatic-N	ketone	aldehyde	imidazole			
Carboxylic acid	aldehyde	ester	ether	cyano		furan	bromine	chlorine	s-heterocyclic

Functional Group										
Amine tertiary	pyridine	cyano	n-heterocyclic ketone		phosphate ester	fluorine	fluorine carbamate	imidazole	BF4	alkane
Amide	pyridine	cyano	n-heterocyclic	ketone	phosphate ester	fluorine	fluorine carbamate	imidazole	BF4	alkane
Sulfonic acid										
Phosphinic acid										
Phosphonic acid			,							
Carboxylic acid	pyridine	cyano	n-heterocyclic ketone		phosphate ester	fluorine	fluorine carbamate imidazole	imidazole	BF4	alkane

Functional Group						
Amine tertiary	aromatic	N-S02	thiourea	iodine		
Amide	aromatic	N-SO2	thiourea	iodine	epoxide	peroxide
Sulfonic acid						
Phosphinic acid						
Phosphonic acid						
Carboxvlic acid	aromatic	N-SO2	thíourea	odi: Pica		
Carbony no acre	alomano	700	20.20	2		

Functional Group	Functional Group Structure	Interacting Group	ď				
Sulfate ester	.o 	pyridine	ketone	aldehyde	ether	ester	a mide
Oxime	C==N OH		alkane		amide	ether	ester
Nitrile	C	metal	ketone	phenol	alcohol		суапо
Diazo	RH2CNCH2R	Oxime					
	NO ₂		ketone	aldehyde	ether	ester	amide
S-heterocyclic ring	S u u	alcohol	thioketone	thioether	s-heterocyclic ketone	ketone	aromatic
Thiophene	S	chlorine	fluorine	amide	ketone	O _N	SO

Functional Group									
Sulfate ester	carboxilic acid amine		metals	thioether	sulfate	alcohol			
Oxime	pyridine	n-aromatic	chlorate	chlorine	Sp2-N	diazo	thioketone	cyano	n-oxide
Nitrile	amine	analine	bromine	amide	alkane	carboxylic acid	chlorine	n-heterocyclic aromatic	aromatic
Diazo									
	carboxilic acid amine		metals	thioether	sulfate	alcohol			
S-heterocyclic ring alkene		amine	chlorine	BF4	sulfate	ester	ON	ether	amide
Thiophene	03								

Functional Group									
Sulfate ester									
Oxime	ketone	aldehyde	carboxylic acid bromine		aromatic	pyridine	BF4		
Nitrile	potassium aldehyde	į	thioether	pyridine	n- aromatic	bromine	ether	s-aromatic thiophene	thiophene
Diazo									
Nitro									,
S-heterocyclic ring iodine		carboxylic acid sodium		суапо	chloride	furan			
Thiophene									

Functional Group						
Sulfate ester			-		 	
Oxime						
Nitrile						
Diazo	 					
Nitro						
S-heterocyclic ring						
Thiophene						

TABLE III

Functional Group				
Sulfate ester			1	
Oxime				
Nitrile				
Diazo				
Nitro				
S-heterocyclic ring				
Thiophene				

Functional Group	Functional Group Structure	Interacting Group	<u>Q</u>				
	TZ						:
N-heterocyclic ring) u O	alcohol	thioketone	thioether	s-heterocyclic ketone	ketone	aromatic
O-heterocyclic ring	u IN	alcohol	thioketone	thioether	s-heterocyclic ketone	ketone	aromatic
Pyrrole		chlorine	fluorine	amide	ketone	ON	SO
F nga nga		s-heterocyclic					

Functional Group									
N-heterocyclic ring alkene	alkene	amine	chlorine	BF4	sulfate	ester	ON	ether	amide
O-heterocyclic ring alkene	alkene	amine	chlorine	BF4	sulfate	ester	ON	ether	amide
Pyrrole	03	imidazole	pyridine	n-aromatic aldehyde		carboxylic	sulfate	chlorine	bromine
Furan									

Functional Group								
N-heterocyclic ring lodine		carboxylic acid sodium		cyano	chloride	aldehyde		
O-heterocyclic ring iodine		carboxylic acid sodium		cyano	chloride	aldehyde		
Pyrrole	oxime	alcohol	phenol	ester	ether			
Furan								

TABLE III

Emptional Cross		
directional Group		
	_	
N-heterocyclic ring		
O-heterocyclic ring		
Pyrrole		
Furan		
	_	

TABLE III

Functional Group		
N-heterocyclic ring		
O-heterocyclic ring		
Pyrrol		
Furan		

API Generic Name 3,5-Py aminor aminor (1,4-difference)				,	_	
	API Chemical Name	CAS No.	Patent Referer	Patent Reference	Example of Therapeutic Use	Example of Indication
	3,5-Pyridinedicarboxylic acid, 2-((2-aminoethoxy)methyl)-4-(2-chlorophenyl)-1,4-dihydro-6-methyl-, 3-ethyl-5-methyl					
	ester, (S)- [CAS]	103129-82-4	8	9310779	Antihypertensive, other	Hypertension, general
(-)-Bei (trifluo (acelv)	(-)-Benzeneacetic acid, 4-chloro-Alpha-[3- (trifluoromethyl)-phenoxy]-, 2- (acetylamino lethyl ester					
(-)-halofenate			Sn	6262118	Antidiabetic	Diabetes, Type II
1,3-Be dimithy (R)-salbutamol [CAS]	1,3-Benzenedimethanol, Alpha1-(((1,1-dimithylethyl)amino)methyl)-4-hydroxy- ICAS)				Formulation, modified-release, <=24hr	Asthma
1,3-Be dimeth		34391-04-3	Sn	5547994	Antiasthma	Asthma
Forma ((2-(4-) methy) (R, R)-formoterol	Formamide, N-(2-hydroxy-5-(1-hydroxy-2- ((2-(4-methoxyphenyl)-1- methylethyl)amino)ethyl)phenyl)- (R- (R*,R*))- ICAS)	67346-49-0	SN	5795564	Antiasthma	Asthma
	3,7-dimethoxy-2- 1,4-benzodioxan-2-yl zine	70918-18-2	MO MO	9409785	Prostate disorders	Benign prostatic hyperplasia
Benze (4-(trifi (S)-fluoxetine	Benzenepropanamide, N-methyl-Gamma- (4-(trifluoromethyl)phenoxy)- (S)				Antimigraine	Migraine
Benze Alpha- (S)-oxybutynin ester,	Benzeneacetic acid, Alpha-cyclohexyl- Alpha-hydroxy-, 4-(diethylamino)-2-butynyl ester, (S)- [CAS]	119618-22-3			Urological	Incontinence
1,2-Naphthoquinone		524-42-5				
17α- Hydroxyprogesterone		68-96-2		i		
17-Methyltestosterone		58-18-4				
	Platinum-195m, diamminedichloro, (SP-4-2)-		SN	6074626	Anticancer, alkylating	Cancer, liver
1α- Hydroxycholecalciferol		41294-56-8				

ADI Gen ric Name	ADI Chemical Name	ON WAL	Patent Peference	Example of Therangustic Sice	Example of Indication
A New Laboration Letter	Art cilenical idanie	EE0 07 0	ויפופופורפ		באמוווחופ סו ווומוכמנוסוו
1-Naphtnyi Salicylate		0-78-0cc			
1-Naphthylamine-4-		84-86-6			
DISC SUIDING		0 01			
1-Theobromineacetic Acid		5614-56-2			
2,4,6-Tribromo-m-cresol		4619-74-3			
2,6-Diamino-2'-butyloxy-		617-19-6			A THE RESIDENCE AND A SECOND CONTRACTOR OF THE PROPERTY OF THE
3,5'-azopyridine					
21-		566-78-9			
Acetoxypregnenolone			:		
2-Amino-4-picoline		695-34-1			
2-Aminothiazole		96-50-4			
2-ethoxybenzoic acid	2-Ethoxybenzoic acid		DE 5134001	Analgesic, NSAID	Pain, general
2-Naphthol		135-19-3			
2-Naphthyl Benzoate		93-44-7			
2-Naphthyl Lactate		93-43-6			
2-Naphthyl Salicylate		613-78-5			
2-p-		80-02-4			
Sulfanilylanilinoethanol					
2-Thiouracil		141-90-2			
3',3'',5',5''-		76-62-0			
T trabromophenolphtha					
3-Amino-4-		589-44-6			
hydroxybutyric Acid					
3-Bromo-d-camphor		76-29-9			
3-Hydroxycamphor		10373-81-6			
3-O-Lauroylpyridoxol Diacetate		1562-13-6			
3-Pentadecylcatechol		492-89-7			

API Generic Name API Chemical Name 3-Quinuclidinol 4,4'-Oxydi-2-butanol 4,4'-Oxydi-2-butanol 4,4'-Oxydi-2-butanol 4,4'-Oxydi-2-butanol 4-Amino-3-henylbutyric Acid 4-Amino-3-phenylbutyric Acid 4-Amino-3-phenylbutyric Acid 4-Amino-3-phenylbutyric Acid 4-Amino-2-hydroxy- [CAS] 4-Chloro-m-cresol 4-Hexylresorcinol 4-Hexylresorcinol 4-Hexylresorcinol 5-Nitro-2'- propoxyacetanilide 5-aninolevulinic acid, 13,5-Triazin-2(1H)-one, 4-amino-1-18-D-18-0-18-0-18-0-18-0-18-0-18-0-18		Reference	Example of Therapeutic Use	Example of Indication
in acid Benzoic acid, 1,3,5-Triazin-riboturanosyl-cylhydroxami cylhydroxami cylhydroxami cylhydroxami cylhydroxami cylhydroxami comic acid, 1,3,5-Triazin-riboturanosyl-cylhydroxami comic acid, 1,3,5-Triazin-riboturanosyl-cylhydroxybenzc				-
2-butanol Idianiline tyric Acid phenylbutyric orcinol Imorpholine ic acid, Pentanoic acid, 1,3,5-Triazin-ribofuranosyl-cylhydroxami cylhydroxami				
tyric Acid -phenylbutyric -phenylbutyric -cresol orcinol -morpholine -ic acid, Pentanoic aci -ic acid, 1,3,5-Triazin- riboluranosyl- riboluranosyl- cylhydroxami cylhydroxami cylhydroxami cylhydroxami				
tyric Acid phenylbutyric phenylbutyric lic acid lic acid limorpholine lic acid, limorpholin				
ic acid Benzoic acid, Imorpholine ic acid, Importuranosyl-ic acid, Impor				
ic acid Benzoic acid, 1-cresol Benzoic acid, 1-cresol Benzoic acid, 1-cresol Benzoic acid, 1-3-5-Triazin-ribofuranosyl-ribofuranosyl-ribofuranosyl-ribofuranosyl-ribofuranosyl-ribofuranosyl-ribofuranosyl-ribofuranosyl-ribofuranosyl-ribofuranosyl-ribofusybenzc				
lic acid Orcinol Ilmorpholine etanilide lic acid, lic a				
ic acid Benzoic acid, orcinol Imorpholine etaniiide iic acid, 1,3,5-Triazin- ribofuranosyl- rylhydroxami cylhydroxami cylhydroxami (CAS] nists ne				
etanilide inc acid, cylhydroxami cylhydroxami	29-50-7		GI inflammatory/bowel disorders	Inflammatory bowel disease
etanilide iic acid, cylhydroxami cylhydroxami				
Imorpholine etanilide nic acid, cylhydroxami cylhydroxami	136-77-6			
etanilide nic acid, cylhydroxami cylhydroxami	3202-84-4			
etanilide iic acid, cylhydroxami cylhydroxami	553-20-8			
cylhydroxami				
cylhydroxami nists	xo- [CAS] 106-60-5		Dermatological	Keratosis
cylhydroxami nists	nino-1-ß-D- 320.67.2		Anticancer antimetabolite	Myelodysplastic syndrome
cylhydroxami	5798-94-7			
03 ntagonists rridine				
03 ntagonists iridine				
203 3 antagonists auridine	9-			
antagonists auridine			Anticancer, other	Cancer, breast
antagonists auridine	5-fluoro 51-21-8		Formulation, parenteral, targeted	Cancer, general
6-Azauridine		US 6037360	Male sexual dysfunction	Premature ejaculation
O Management	54-25-1			
o-inercaptopullie	50-44-2			
8-Hydroxyquinoline	148-24-3			
9-Aminocamptothecin	91421-43-1			
N-[2-(2,2,2-Trifluoro-1-hydroxy-1-trifluoromethyl-ethyl)-naphthalen-1-yl]	xy-1- alen-1-yl]			
A-151892			Urological	Overactive bladder
αι-Antitrypsin	9041-92-3			

API Generic Name	API Chemical Name	CAS No.	Patent Referen	Patent Reference	Example of Therapeutic Use	Example of Indication
A-5021	6H-Purin-6-one, 2-amino-9-(((1S,2R)-1,2-bis(hydroxymethyl)cyclopropyl)methyl)-1,9-dihydro- [CAS]	145512-85-2			Antiviral, other	Infection, varicella zoster virus
abacavir	9-1-methanol, 4-(2-amino-6- ino)-9H-purin-9-yl)-, (1S-	136470-78-5 188062-50-2	G.	434450	Antiviral, anti-HIV	Infection HIV/AIDS
abaperidone	luoro-1,2-benzisoxazol-3- -1-yl]propoxy]-3- sthyl)chromen-4-one		1	9632389	Neuroleptic	Schizophrenia
	D-Alaninamide, N-acetyl-3-(2- naphthalenyl)-D-alanyl-4-chloro-D- phenylalanyl-3-(3-pyridinyl)-D-alanyl-L- seryl-N-methyl-L-tyrosyl-D-asparaginyl-L- leucyl-N6-(1-methylethyl)-L-tysyl-1-orolyl-					
abarelix	[CAS]	183552-38-7	S	5843902	Anticancer, hormonal	Cancer, prostate
Abciximab		143653-53-6		:		
Abecarnil		111841-85-1				
abetimus		169147-32-4	SN	5552391	Immunosuppressant	Lupus erythematosus, systemic
abiraterone	Androsta-5,16-dien-3-ol, 17-(3-pyridinyl)-, acetate (ester), (3ß)- [CAS]	154229-18-2	89	2265624	Anticancer, hormonal	Cancer, prostate
α-Bisabolol		515-69-5				
ABLC	Amphotericin B [CAS]	1397-89-3 30652-87-0			Formulation, conjugate, carbohydrate	Infection, Candida, general
ABT-751	Benzenesulfonamide, N-[2-[(4- hydroxyphenyl)amino]-3-pyridinyl]-4- methoxy- [CAS]	141430-65-1	EP.	472053	Anticancer, other	Cancer, general
AC-5216	N-benzyl-N-ethyl-2-(7,8-dihydro-7-methyl-8-oxo-2-phenyl-9H-purin-9-yl)acetamide				Anxiolytic	Anxiety, general
Acadesine		2627-69-2				
acamprosate	1-Propanesulfonic acid, 3-(acetylamino)- [CAS]	77337-76-9	85	2051789	Dependence treatment	Addiction, alcohol
Acamprosate		77337-73-6				
Acarbose		56180-94-0				

API Chemical Name 7H-Purine-7-acetic acid, 1,3-dimethyl-2,6-dioxo,co,4-[[(2-amino-3,5-dibromophenyl)methyl]am acebrophylline (1:1) [CAS] Butanamide, N-[3-acetyl-4](1-methylethyl)aminolprop	Name c acid. 1,2,3,6-tetrahydro dioxo-,compd. with trans-	CAS No.	Patent Refere	Patent Reference		
	acetic acid, 1,2,3,6-tetrahydro 2,6-dioxo-,compd. with trans-		1		Example of Inerapeutic Use	Example of Indication
Butanamide, N	ethyl]amino]cyclohexanol	96989-76-3	 B	3425007	Antiasthma	Asthma
acebutolol (+/-)- [CAS]	N-[3-acetyl-4-[2-hydroxy-3- yl)amino]propoxy]phenyl]-	34381-68-5 37517-30-9	US 3	3726919	Antihypertensive, adrenergic	
Acecainide	The second secon	32795-44-1				
Ac carbromal		27-99-77				
Benzeneacetic dichlorophenyl	Benzeneacetic acid, 2-[(2,6-dichlorophenyl)amino]-, carboxymethyl	80706-00-8	9	110030	Anti-inflammaton	Dain musculoskeletal
)ne					Aut. High and y	
Acediasulfone		80-03-5				
Acefylline		652-37-9				
Aceglutamide		2490-97-3				
	Aluminum, pentakis(N2-acetyl-L- glutaminato)tetrahydroxytri- [CAS]	12607-92-0	믬	2127176	Antiulcer	Ulcer, GI, general
	-					
acemetacin carboxymethyl ester [CAS]			SN	3910952	Anti-inflammatory	
Acenocoumarol		152-72-7				
Acetal		105-57-7				
Acetamidoeugenol		305-13-5				
Acetaminophen		103-90-2				
Acetaminosalol		118-57-0				
Acetanilide		103-84-4				
Acetarsone		97-44-9				
Acetazolamide		59-66-5				
Acetiamine		299-89-8				
Acetohexamide		968-81-0				
Acetohydroxamic Acid		546-88-3				
Ac tophenazine		2751-68-0				
Acetoph none		98-86-2				

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API Generic Name	API Chemical Name		Reference	ence	Example of Therapeutic Use	Example of Indication
Acetosulfone		128-12-1				
acetoxolone	Olean-12-en-30-oic acid, 3ß-hydroxy-11- oxo-acetate, aluminium salt [CAS]	_	US 3	3764618	Antiulcer	
Acetrizoat		129-63-5				
Acetyl						
Sulfamethoxypyrazine		3590-05-4				
Acetylcarnitine		14992-62-2				
Acetylcholine		66-23-9	_			
Acetylcholine		60-31-1				
Acetylcysteine		616-91-1				
Acetylleucine		149-90-6				
Monoethanolamine						
Acetylpheneturide		13402-08-9				
Lies of the land		50-78-2 530			Formulation, optimized,	
acetylsalicylic acid	benzoic acid, 2-(acetyloxy)- [CAS]	9-6/	1		microencapsulate	Pain, general
α-Chloralose		15879-93-3				
	6H-Purin-6-one, 2-amino-1,9-dihydro-9-[(2-	0 00 22003			merinal managements	or reference of the section of the
acicionii	nyaroxyemoxy/memyil-[cA5]	292//-88-3			rormulation, dermal, topical	mection, nerpes simplex virus
Acifran		72420-38-3		!		
acipimox	Pyrazinecarboxylic acid, 5-methyl-, 4-oxide [CAS]	51037-30-0	_ 	1361967	Hypolipaemic/Antiatherosclerosis	Hyperlipidaemia, general
acitazanolast	Acetic acid, oxo[[3-(1H-tetrazol-5- yl)phenyl]amino]- [CAS]	114607-46-4	EP 2	256507	Ophthalmological	Conjunctivitis
	2,4,6,8-Nonatetraenoic acid, 9-(4-methoxy-2,3,6-trimethylphenyl)-3,7-dimethyl-, (all-E)		<u> </u>			
acitretin	[CAS]		68	1468401	Antipsoriasis	Psoriasis
aclarubicin		57576-44-0 75443-99-1	US 3	3988315	Anticancer, antibiotic	
Aclatonium Napadisilate		55077-30-0				
Aconitine		302-27-2	-			
Acranil®		1684-42-0				
Acriflavine		8048-52-0				The state of the s
Acrisorcin		7527-91-5				

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
acrivastine	2-Propenoic acid, 3-[6-[1-(4-methylphenyl)-3-(1-pyrrolidinyl)-1-propenyl]-2-pyridinyl]-, [(E,E)- [CAS]	87848-99-5	EP	85959	Antipruriti <i>c/</i> inflamm, allergic	Rhinitis, allergic, general
acrivastine + pseudoephedrine	Benzenemethanol, Alpha-[1- (methylamino)ethyl)., hydrochloride, [S- (R*,R*))., mixtwith 2-Propenoic acid, 3-[6- [1-(4-methylphenyl)-3-(1-pyrrolidinyl)-1- propenyll-2-pyridinyll. (E.E.				Antiallergic, non-asthma	Rhinitis, allergic, seasonal
actagardine derivative	3,3-dimethyl-1-propylamide HCI				Peotide antibiotic	Infection, general
Actarit		18699-02-0				
ACTH		9002-60-2				
Acyclovir		59277-89-3				
	2-Naphthalenecarboxylic acid, 6-(4-methoxy-3-tricyclo[3.3.1.13,7]dec-1-	40000 40.0	6	100636	Antione	Arno
adaparene	yipileliyi)-[CA3]	100003-40-9	\neg	133020		Chica dischip
ADCON-L	GL 402 [CAS]	13/802-74-5			Formulation, other	ribrosis, epidurai
Ad fovir		106941-25-7				
	Propanoic acid, 2,2-dimethyl-, (((2-(-6-amino-9H-purin-9-			i		
adefovir dipivoxil	yl)ethoxy)methyl)phosphinylidene)bis(oxy methylene)ester- [CAS]	142340-99-6	ů.	205826	Antiviral, other	Infection, hepatitis-B virus
	6-Amino-9-ß-D-ribofuranosyl-9H-purine					
Adenoscan	[CAS]	58-61-7			Imaging agent	Diagnosis, coronary
Adenosine Triphosphate		56-65-5				
ADEPT		156079-88-8			Immunoconjugate, other	Cancer, colorectal
Adinazolam		37115-32-5				
Adiphenine		64-95-9				
ADL-10-0101			OW	9732857	Analgesic, other	Pain, general
Adrafinil		63547-13-7				
Adrenalone		99-45-6				
Adrenochrome		54-06-8				
	Benzo(f)thieno(2,3-c)quinoline-9,10-diol, 4,5,5a,6,7,11b-hexahydro-2-propyl-	156501 11 3				
adrogolide	trans)- [CAS]	171752-56-0	ns	5597832	Dependence treatment	Addiction, cocaine
			7			

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API Generic Name	API Chemical Name	CAS No.	Refere	ratent Reference	Example of Therapeutic Use	Example of Indication
AEOL-10150			S	6103714	Neuroprotective	Unspecified
AET		56-10-0				
a-Ethylbenzyl Alcohol		93-54-9				
AE-2259	Benzeneacetic acid, Alpha-methyl-4-(2-methylpropyl)-, 2-methoxyphenyl ester ICASI	66332-77-2	<u> </u>	2726435	Anti-inflammatory	Inflammation, general
Afloqualone		56287-74-2				
	1H-Indole-3-acetamide, 1-(2,2-diethoxyethyl)-2,3-dihydro-N-(4-methylphenyl)-3-((((4-methylphenyl)amino)carbonyl)amino)-2-oxo-, (3R)-	199800-49-2	WO	9419322	Alimentary/Metabolic, other	Unspecified
AG-2037	N-(5-[2-(2-amino-4(3H)-oxo-5,6,7,8-tetrahydropyrido[2,3-d]pyrimidin-6-yl)ethy]-4-methylthieno-2-yl)glutamic acid			_	Anticancer, antimetabolite	Cancer, general
α-Glucose-1-phosphate		59-56-3				
AGN-194310	Benzoic acid, 4-((4-(4-ethy phenyl)-2,2-dimethyl-2H-1-benzothiopyran-6-yl)ethynyl)- [CAS]	229961-45-9	NO W	9709297	Dermatological	Psoriasis
agomelatine	Acetamide, N-(2-(7-methoxy-1-naphthalenyl)effyl)- [CAS]	138112-76-2	EP	447285	Antidepressant	Sleep disorder, general
Ahistan		518-61-6				
AHL-157			S	5411972	Hypolipaemic/Antiatherosclerosis	Atherosclerosis
AIT-034	9H-Purine-9-propanamide, 1,6-dihydro-6-oxo-N-(3-(2-oxo-1-pyrrolidinyl)propyl)- [CAS]	138117-48-3	Sn	5447939	Cognition enhancer	Dementia, senile, general
AIT-202	N-[2-(5-Hydroxy-1H-indol-3-yl)ethyl]-3-(6- oxo-6,9-dihydro-1H-purin-9- yl)propionamide		WO	WO 9957120	Antidepressant	Unspecified

API Generic Name	API Chemical Name	CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
AJ-9677	Acetic acid. ((3-((2R)-2-(((2R)-2-(3-chlorophenyl)-2-hydroxyethyl)amino)propyl)-1H-indol-7-yl)oxy)- [CAS]	244081-42-3			Antidiabetic	Diabetes, Type II
AJG-049			000	9733885	Gastroprokinetic	Motility dysfunction, GI, general
Ajmaline		12/07/4360			•	
Alacepril		74258-86-9				
albaconazole	4(3H)-Quinazolinone, 7-chloro-3-[(1R,2R)-2-(2,4-difluorophenyl)-2-hydroxy-1-methyl-3-(1H-1,2,4-triazol-1-yl)propyl]- [CAS]	187949-02-6	WO	9705131	Antifungal	Infection, Candida, general
albendazole	Carbamic acid, [5-(propylthio)-1H-benzimidazol-2-yl]-, methyl ester [CAS]	54029-12-8 54965-21-8	89	1464326	Anthelmintic	Infection, helminth, general
Albuterol		18559-94-9				
Albutoin		830-89-7				,
alclofenac	Benzeneacetic acid, 3-chloro-4-(2-propenyloxy)- [CAS]	22131-79-9	GB	1174535	Anti-inflammatory	
	Pregna-1,4-diene-3,20-dione, 7-chloro-11-hydroxy-16-methyl-17,21-bis(1-pxonronoxy)- (7Alpha 11R 16Alpha)-	66734-13-2				
alclometasone	[CAS]		Sn	4124707	Antipruritic/inflamm, allergic	Inflammation, dermal
Alcuronium		23214-96-2				
Aldioxa		5579-81-7				
Aldol		107-89-1				
Aldosterone		52-39-1				
alendronate	Phosphonic acid, (4-amino-1- hydroxybutylidene)bis-[CAS]	121268-17-5 129318-43-0	GB	2118042	Osteoporosis treatment	Osteoporosis
Al ndronic Acid		66376-36-1				
Alexidine		22573-93-9				
alfacalcidol	9,10-Secocholesta-5,7,10(19)-triene-1,3- diol, (1Alpha,38,5Z,7E)- [CAS]	41294-56-8			Osteoporosis treatment	Osteodystrophy
Alfadolone		23930-37-2				
Affaxalone		23930-19-0				
Alfentanil		71195-58-9				
alfimeprase		259074-76-5			Fibrinolytic	Peripheral vascular disease

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API Generic Name	API Chemical Name	CAS No.	Refer	Reference	Example of Therapeutic Use	Example of Indication
	2-Furancarboxamide, N-[3-[(4-amino-6,7-dimethoxy,2-					
	quinazolinyl)methylamino]propyl]tetrahydr 81403-68-1	81403-68-1				
alfuzosin	o-[CAS]		GB 2	2013679	Prostate disorders	Benign prostatic hyperplasia
	2-Furancarboxamide, N-[3-[(4-amino-6,7-					
	dimethoxy-2-					
	quinazolinyl)methylamino]propyl]tetrahydr 81403-68-1	81403-68-1				
alfuzosin	o-[CAS]	81403-80-7			Formulation, modified-release, other	Benign prostatic hyperplasia
Algestone		595-77-7				
Algestone Acetophenide		24356-94-3				
Algin		9005-38-3				
Alglucerase		143003-46-7				
Alibendol		26750-81-2				
	(2S,4S,5S,7S)-5-Amino-N-(2-carbamoyl-2-methylpropyl)-4-hydroxy-2-isopropyl-7-[4-methoxy-3-(3-methoxypropoxy)benzyl]-8-					
aliskiren	methylnonanamide	173334-57-1			Antihypertensive, renin system	Hypertension, general
alitretinoin	9-cis retinoic acid	03/08/5300			Antipruritic/inflamm, allergic	Eczema, general
alizancida	1H-Benzotriazole-5-carboxamide, 6- methoxy-N-[[1-(2-propenyl)-2- pyrrolidinyllmethyl. ICAS]	50338-03-1	a.e	1475234	Antiemetic	Nausea and vomiting general
Alkannin	found in the second designation of the secon					
Alkofanone		7527-94-8				
Allantoin		97-59-6				
Allobarbital		52-43-7				
Allopurinol		315-30-0				
Allyl Isothiocyanate		27-06-7				
Allylestrenol		432-60-0				
almaqate	Magnesium, [carbonato(2-)]heptahydroxy(aluminum)tri-, dihydrate [CAS]	66827-12-1 72526-11-5	US 4	4447417	Antacid/Antiflatulent	
alminoprofen	Benzeneacetic acid, Alpha-methyl-4-[(2-methyl-2-propenyl)amino]- [CAS]		US 3	3957850	Analgesic, NSAID	

API Generic Name	API Chemical Name	CAS No.	Patent Referen	Patent Reference	Example of Therapeutic Use	Example of Indication
almitrine	1,3,5-Triazine-2,4-diamine, 6-[4-[bis(4-fluorophenyl])methyl]-1-piperazinyl]-N.N'-di-27469-53-0 2-propenyl-, dimethanesulfonate [CAS] 29608-49-9	27469-53-0 29608-49-9	89	1256513	Respiratory	Bronchitis, chronic
almotriptan	Pyrrolidine, 1-(((3-(2-(dimethylamino)ethyl)-1H-indol-5-yl)methyl)sulfonyl)- [CAS]	154323-57-6	W	9402460	Antimigraine	Migraine
Aloe-Emodin		481-72-1				
Aloin		5133-19-7				
	2,3,4,5-Tetrahydro-5-methyl-2-[(5-methyl-1H-imidazol-4-yl)methyl]-1H-pyrido[4,3-					
alosetron	bjindol-1-one [CAS]		- 1		Gl inflammatory/bowel disorders	Irritable bowel syndrome
alovudine	Thymidine, 3'-deoxy-3'-fluoro- [CAS]		E E	470355	Antiviral, anti-HIV	Infection, HIV/AIDS
Aloxiprin		9014-67-9				
Alpha-1 protease inhibitor			SN	5780014	Formulation, inhalable, topical	Emphysema, alpha-1 antitrypsin deficiency
Alpha-dihydroergocryptine	Ergocryptine, 9,10-dihydro- methanesulfonate (salt)- [CAS]	29261-93-6			Formulation, other	Parkinson's disease
Alphaprodine		77-20-3				
Alpidem		82626-01-5				
Alpiropride		81982-32-3				
alprazolam	4H-[1,2,4]Triazolo[4,3-a][1,4]benzodiazepine, 8-chloro-1-methyl-6-phenyl-[CAS]	28981-97-7	SN	3987052	Anxiolytic	Anxiety, general
Alprenolol		13655-52-2				
alsactide	Alpha1-17-Corticotropin, 1-8-alanine-17- [N-(4-aminobutyl)-L-lysinamide]- [CAS]	34765-96-3	Sn	3749704	АСТН	Arthritis, rheumatoid
ALT-711	Thiazolium, 4,5-dimethyl-3-(2-oxo-2-phenylethyl)-, bromide [CAS]	181069-80-7	Ş Ş	9622095	Symptomatic antidiabetic	Hypertension, general
Althiazid		5588-16-9				
altinicline	Pyridine, 3-ethynyl-5-((2S)-1-methyl-2-pyrrolidinyl)- [CAS]	179120-92-4	SN	5594011	Antiparkinsonian	Parkinson's disease
altretamine	1,3,5-Triazine-2,4,6-triamine, N,N,N',N',N"-hexamethyl- [CAS]	645-05-6	SN	3424752	Anticancer, alkylating	Cancer, ovarian
aluminium chloride hexahydrate	aluminium chloride hexahydrate Aluminium chloride, hexahydrate	7446-70-0 7784-13-6			Dermatological	Hyperhidrosis

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
Aluminon		569-58-4				
Aluminum Acetate		8006-13-1				
Solution						
Aluminum Chlorate		15477-33-5				
Aluminum		1327-41-9				
Hydroxychloride						
Aluminum Potassium Sulfate		10043-67-1				
Aluminum Sodium Sulfate		10102-71-3				
alusulf	Aluminum hydroxide sulfate (AI7(OH)17(SO4)2), dodecahydrate [CAS] 61115-28-4	61115-28-4	DE	2510663	Urological	Hyperphosphataemia
Alverine		150-59-4				
neuvinonan	Glycine, N-[(2S)-2-[[(3R,4R)-4-(3-hydroxyphenyl)-3,4-dimethyl-1-piperidinyl]methyl]-1-oxo-3-phenylpropyl]-	1 EO E 2 80 2	0	667400		e e e
alvillopan	[CAO]	1.00000-00-0	- 1	02/4/0	GI Imiammatory/bowei disorders	lieus
ridih	4H-1-Benzopyran-4-one, 2-(2- chlorophenyl)-5,7-dihydroxy-8-(3-hydroxy-131740-09-5	131740-09-5			, di	
AI X-0646	יייין איייין		Ç	0506638	Antimiaraina	Migraino
	2.4 & Trilodophenol		_	200000	Annung carrie	wigiane
AM-24	יייין אין דיי	609-23-4			Gl inflammatory/bowel disorders	Crohn's disease
AM-36	1-Piperazineethanol, 4-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]methyl]-Alpha-(4-chlorophenyl)- [CAS]	199467-52-2			Neuroprotective	Unspecified
AM-477	2-Methoxyoestradiol					Asthma
Amantadine		768-94-5				
	1-Decanaminium, N,N-dimethyl-N-[2-					
amantanium	[{tricyclo[3.3.1.13,7]dec-1- ylcarbonyl)oxy]ethyl]-, bromide [CAS]	58158-77-3	SN	4288609	Antifungal	Infection, general
Ambazon		539-21-9				
Ambenonium		115-79-7				
Ambellomann.		1-0-1 3-1				-]

API Generic Name	API Chemical Name	CAS No.	Patent Referer	Patent Reference	Example of Therapeutic Use	Example of Indication
ambrisentan	(+)-(2S)-2-[(4,6-dimethylpyrimidin-2-yl)oxy]- 3-methoxy-3,3-diphenylpropanoic acid	177036-94-1			Vasodilator, peripheral	Heart failure
ambroxol	Cyclohexanol, 4-[(/2-amino-3,5-dibromophenyl)methyl]aminol-, trans-rcAsı	18683-91-5	g	1178034	CODN tractment	Dronchitic chronic
Ambucaine	[o.b.]		\neg	t 200	טרט וופמווופווו	Didicins, circins
Ambuphylline		5634-34-4				
Ambusid		3754-19-6				
Ambutonium Bromide		115-51-5				
	Pregna-1,4-diene-3,20-dione, 21- (acetyloxy)-16,17- Irvchmentylidenehis(oxy)]-0-fluoro-11-					
amcinonide	hydroxy-, (118,16Alpha)- [CAS]	51022-69-6	핌	2437847	Antipsoriasis	
	1,4,8,11-Tetraazacyclotetradecane, 1,11- (1,4-phenylenebis(methylene))bis-,					Chemotherapy-induced injury,
AMD-3100	octahydrochloride [CAS]		Sn	5612478	Haematological	bone marrow, leucopenia
Amdinocillin	The state of the s	32887-01-7				
Amdinocillin Pivoxil		32886-97-8				
amdoxovir	1,3-Dioxolane-2-methanol, 4-(2,6-diamino-9H-purin-9-yl)- (2R-cis)- [CAS]		<u>а</u>	656778	Antiviral, anti-HIV	Infection, HIV/AIDS
amelubant	Carbamic acid, ((4-((3-((4-(1-(4-hydroxyphenyl)-1-methylethyl)phenoxy)methyl)phenyl)methoxy)phenyl)minomethyl)-ethyl ester [CAS]	346735-24-8	씸	10000907	COPD treatment	Chronic obstructive pulmonary disease
	Benzenemethanaminium, N,N-dimethyl-N- [2-[2-[4-(1,1,3,3- tetramethylbuty])phenoxy]ethoxy]ethyl]-, chloride, mixt. with ethyl 4-aminobenzoate					
Americaine	[CAS]	129128-13-8			Formulation, inhalable, other	Pain, general
Amezinium		30578-37-1				
Amfenac		51579-82-9				
Amid phrine		3354-67-4				
Amidinomycin		3572-60-9				

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	ADI Chaminal Mama		Patent	יונ יינו	Coll distriction of Theorem	Evample of Indication
Ar I Cellelle Halle	API Chemical Name	CAS NO.	Kere	Kererence	Example of Inerapeutic Use	Example of Indication
amifostine	Ethanethiol, 2-[(3-aminopropy/)amino]-, dihydrogen phosphate (ester)- ICASI	20537-88-6 63717-27-1	<u>п</u>	131500	Radio/chemoprotective	Chemotherapy-induced injury, renal
	Dentanoic acid & (dinentylamino) 4-(/)					
	naphthalenylcarbonyl)amino)-5-oxo- (R)-					
amiglumide	[cAs]	119363-62-1	8 N	8805774	Gl inflammatory/bowel disorders	Pancreatitis
		37517-28-5			Formulation, optimized,	-
amikacın		39831-55-5			microencapsulate	Infection, general
Amiloride		2609-46-3				
Aminacrine		90-45-9				
	Heptanoic acid, 7-[(10,11-dihydro-5H-dibenzofa,dlcyclohepten-5-yl)aminol-	30272-08-3				
amineptine	[CAS]	57574-09-1	Sn	3758528	Antidepressant	
Aminitrozole		140-40-9				
Amino Acid						
Preparations						
Aminocaproic Acid						
	2,6-Piperidinedione, 3-(4-aminophenyl)-3-				The state of the s	
aminoglutethimide	ethyl- [CAS]	125-84-8	S	3944671	Anticancer, hormonal	Cancer, breast
Aminoguanidine		79-17-4				
Aminohippurate						
Aminometradine		642-44-4				
Aminopentamide		60-46-8				
	1H-Purine-2,6-dione, 3,7-dihydro-1,3-dimethyl-common with 12-ethanediamine					
aminophylline	(2:1) [CAS]	317-34-0			Formulation, modified-release, other	Asthma
Aminopromazine		58-37-7				
Aminopyrine		58-15-1				
Aminoquinuride		3811-56-1				
Aminorex		2207-50-3				
	Methanone, (2-butyl-3-benzofuranyl)[4-[2-	1051.25.3				
amiodarone	[CAS]	19774-82-4	S	3248401	Antiarrhythmic	Arrhythmia, general
Amiphenazole		490-55-1				
Amiprilose		56824-20-5				

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
	Benzamide, 4-amino-N-[(1-ethyl-2- pyrrolidinyl)methyl]-5-(ethylsulfonyl)-2-					
amisulpride	methoxy- [CAS]	71675-85-9	SN	4401822	Neuroleptic	Schizophrenia
Amitriptyline		50-48-6				
	1-Propanamine,3-(10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-ylidene)-N,N-					
:	dimethyl + cyclohexanone,2-(2- chlorophenyl)-2-(methylamino)					
amitriptyline+ketamine					Formulation, fixed-dose combinations	Pain, neuropathic
Amitriptylinoxide		4317-14-0				
amlexanox	5H-[1]Benzopyrano[2,3-b]pyridine-3- carboxylic acid, 2-amino-7-(1-methylethyl)- 5-oxo- [CAS]	68302-57-8	SN	4299963	Antiasthma	Asthma
	2 E Duridinadicarbovulic acid 2 1/2					
	aminoethoxy)methyl]-4-(2-chlorophenyl)-	111470-99-6				
	1,4-dihydro-6-methyl-, 3-ethyl 5-methyl	88150-42-9	Č	10700		-
amiodipine	ester [CAS]	88150-47-4	긥	8916/	Antianginal	Hypertension, general
Ammoniacum		03/07/9000				
Ammonium Benzoate		1863-63-4				
Ammonium Mandelate		530-31-4				
Ammonium Salicylate		528-94-9				
Ammonium Valerate		42739-38-8				
Amobarbital		57-43-2				
Amocarzine		36590-19-9				
Amodiaquin		86-42-0				
amorolfine	Morpholine, 4-[3-[4-(1,1-dimethylpropy]]-2,6-78613-35-1 dimethylpropy])phenyl]-2-methylpropy]]-2,6-78613-38-4 dimethyl-, cis- ICASI	78613-35-1 78613-38-4	6	24334	Antifungal	Infection, fundal, general
Amoscanat		26328-53-0	i			
amosulalol	Benzenesulfonamide, 5-[1-hydroxy-2-[[2-(2-methoxyphenoxy)ethyl]aminojethyl]-2-methyl-, (+/-)- [CAS]	70958-86-0 85320-68-9	EP	136103	Antihypertensive, adrenergic	Hypertension, general
Amotriphene		5585-64-8				
amoxapine	Dibenz[b,f][1,4]oxazepine, 2-chloro-11-(1-piperazinyl)- [CAS]	14028-44-5	89	1192812	Antidepressant	Depression, general

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API Generic Name	API Chemical Name	CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
апохісіllin	4-Thia-1-azobicyclo[3,2,0]heptane-2- carboxylic acid, 6-[[amino(4- hydroxyphenyl)acetyl[amino]-3,3-dimethyl- 26787-78-0 7-oxo-,[2S-[2Alpha,5Alpha,6ß(S*)]] [CAS] 61336-70-7	26787-78-0 61336-70-7			Formulation, modified-release, other	Infection, general
amoxicillin+potassium clavulan		74469-00-4	89	1508977	Formulation, fixed-dose combinations	Infection, respiratory tract, general
AMPAlex	Piperidine, 1-(6-quinoxalinylcarbonyl)- [CAS]		Sn	5650409	Psychostimulant	Attention deficit disorder
Amphetamine		300-62-9				
Amphetaminil		17590-01-1				
amphotericin B	Amphotericin B compd. with (3ß)-cholest-5 120895-52-5 en-3-yl hydrogen sulfate (1:1) [CAS] 1397-89-3		, SU	4822777	Formulation, optimized, liposomes	Infection, general
ampicillin	4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[(aminophenylacetyl)amino]-3,3-dimethyl-7-69-53-4 oxo-, [2S-[2Alpha,5Alpha,6ß(S*)]]	69-53-4 7177-48-2			Formulation, fixed-dose combinations	Infection, general
Ampiroxicam		99464-64-9				
Ampligen		38640-92-5				
amprenavir	Carbamic acid, (3-(((4-aminophenyl)sulfonyl)(2-methylpropyl)amino)-2-hydroxy-1-(phenylmethyl)propyl)-, tetrahydro-3-furanyl ester, (3S-(3R*(1R*,2S*)))- [CAS]	161814-49-9	Sn	5783701	Antiviral, anti-HIV	Infection, HIV/AIDS
amrinone	[3,4'-Bipyridin]-6(1H)-one, 5-amino- [CAS]	60719-84-8 75898-90-7	Sn	4004012	Cardiostimulant	
amrubicin	5,12-Naphthacenedione, 9-acetyl-9-amino- 7-[(2-deoxy-13-D-erythro- pentopyranosyl)oxy]-7,8,9,10-tetrahydro- 6,11-dihydroxy-, hydrochloride, (7S-cis)- [CAS]	92395-36-3	<u>B</u>	107486	Anticancer, antibiotic	Cancer, lung, non-small cell
amsacrine	Methanesulfonamide, N-[4-(9-acridinylamino)-3-methoxyphenyl]- [CAS] 51264-14-3	51264-14-3			Anticancer, other	Cancer, leukaemia, acute lymphocytic

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
	Glycine, N-[[1-methyl-5-(4-methylbenzoyl)-19-ylacetyl]-, 2-methoxyphenyl					
amtolmetin guacil	ester [CAS]	87344-06-7	ВB	2115417	Analgesic, NSAID	Arthritis, rheumatoid
Amylocaine		532-59-2				
AN-152			8	9719954	Anticancer, antibiotic	Cancer, prostate
anabolic steroids			8	9848812	Cardiovascular	Heart failure
Anagestone		2740-52-5				
	o[2,1-b]quinazolin-2(3H)-one, 6,7- o-1,5-dihydro-, monohydrochloride	58579-51-4				
anagrelide	[CAS]	68475-42-3	GB	1418822	Haematological	Thrombocytosis
anastrozola	1,3-Benzenediacetonitrile, Alpha,Alpha,Alpha,Alpha'-tetramethyl-5-	120811_73 1	0	206740	Anticoncer hormonal	proof broot
Anazolene	[OCO] (Kingling Ozgan + 'z',	3861-73-2	ı	21.007		Carlod, Dicasi
		04000 44.0				
Ancitabine		31698-14-3				
Ancrod		9046-56-4				
	N-4'-[5-Tetrazolyl]-phenyl-4-(5-tetrazolyl)- henzamide					
andolast		132640-22-3	EP	460083	Antiasthma	Asthma
Androisoxazole		360-66-7				
Androstenediol		521-17-5				
	21-(Acetyloxy)-17-hydroxypregna-4,9(11)-diene-3,20-dione					
anecortave		7753-60-8			Ophthalmological	Macular degeneration
Anethole		4180-23-8;				
		104-46-1				
		(nusbecified)				
Anethole Trithione		532-11-6				
Angiogenix			SN	6417205	Cardiovascular	Cardiomyopathy, ischaemic
Angiot nsin		1407-47-2				
anhydrovinblastine	Vincaleukoblastine, 3',4'-didehydro-4'- deoxy- [CAS]	38390-45-3	Sn	6011041	Anticancer, other	Cancer, general
anidulafungin	Echinocandin B, 1-((4R,5R)-4,5-dihydroxy-N2-((4"-(pentyloxy)(1,1'-4',1"-terphenyl)-4-yl)carbonyl)-L-ornithine)- [CAS]	166663-25-8	S	6384013	Antifungal	Infection, Candida, general

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Anileridine		144-14-9				
Aniracetam		72432-10-1				
Anisindione		117-37-3				
Anisomycin		22862-76-6				
Anisotropine		80-50-2				
Methylbromide						
anistreplase	Anistreplase [CAS]	81669-57-0	ED.	28489	Fibrinolytic	Infarction, myocardial
Antazoline		91-75-8				-
Anthiolimine		305-97-5				
Anthralin		1143-38-0				
Anthramycin		4803-27-4				
Anthrarobin		577-33-3				
anthrax inhibitor			Sn	6436933	Anti-infective, other	Infection, anthrax
antiangiogenic dendrimers			Sn	6426067	Anticancer, other	Cancer, general
	L-Ascorbic acid, mixt with 2- (diethylamino)ethyl 4-aminobenzoate monohydrochloride, disodium hydrogen phosphate, potassium benzoate and zinc					
Anticort	sulfate (1:1) [CAS]	186646-39-9	8	9640038	Anabolic	Cachexia
antidepressants			S	5898036	Antidepressant	Depression, general
anti-invasins			Sn	6303302	Antifungal	Infection, fungal, general
Antimony Potassium		28300-74-5				
Tartrate						
Antimony Sodium Thiodiscollate		539-54-8				
Antimony Thioglycollamide		6533-78-4				
	19-Norpregna-4,9-dien-3- one (acetylphenyl)-20,20,21,21,21- pentafluoro-17-hydroxy-(118,17Alpha)					
Antiprogestin	[CAS]	211254-73-8	出	19706061	Anticancer, hormonal	Cancer, breast
Antipyrine		0-08-09				
Antipyrine Salicylate		520-07-0				
antithrombin III	Antithrombin, III [CAS]	9000-94-6 90170-80-2			Blood fraction	Antithrombin III deficiency

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
anxiolytics			SN	5756538	Anxiolytic	Anxiety, general
AP-521	N-Piperonyl-2-amino-1,2,3,4- tetrahydrobenzo(b)thieno(2,3-c)pyridine-3- carbamide	151227-08-6	ş	9321189	Anxiolytic	Anxiety, general
AP-5280			SN	5965118	Anticancer, alkylating	Cancer, general
Apalcillin		63469-19-2				
					-	
apaziquone	1-methyl-, (E)- [CAS]	114560-48-4	8	8706227	Anticancer, alkylating	Cancer, breast
Apazone		13539-59-8				
α-Phenylbutyramide		90-26-6				
Apocodeine		641-36-1				
	Phosphonic acid, (2-(3,5-bis(1,1-					
	dimethylethyl)-4-					
apomine	hydroxyphenyl)ethylidene)bis- tetrakis(1- methylethyl) ester [CAS]	126411-13-0			Anticancer, other	Cancer, prostate
	4H-Dibenzolde,g]quinoline-10,11-diol,					
	5,6,6a,7-tetrahydro-6-methyl-,	•				
:	hydrochloride	314-19-2				
apomorphine		58-00-4			Formulation, transmucosal, nasal	Impotence
	1,4-Benzenediamine, 2,6-dichloro-N1-(4,5-66711-21-5	66711-21-5				1
apraclonidine	dihydro-1H-imidazol-2-yl)- [CAS]	73218-79-8	S	4517199	Antiglaucoma	Glaucoma
	3H-1,2,4-Triazol-3-one, 5-[[(2R,3S)-2- [(1R)-1-13 5-					
	bis(trifluoromethyl)phenyl]ethoxyl-3-(4-					
	fluorophenyl)-4-morpholinyl]methyl]-1,2-					Chemotherapy-induced
aprepitant	dihydro- [CAS]	170729-80-3	Sn	5719147	Antiemetic	nausea and vomiting
	1,3-Propanediamine, N-(2,3-dihydro-1H-	33237-74-0				
aprindine	inden-2-yl)-N',N'-diethyl-N-phenyl-[CAS]	37640-71-4	8	1321424	Antiarrhythmic	
Aprobarbital		77-02-1				
Apronalide		528-92-7	-			
Aprotinin		9087-70-1				
Aptiganel		137159-92-3				
	9,10-Anthracenedione, 1,4-bis((2-					
AQ4N	(dimetnyloxidoamino)etnyl)amino)-5,6- dihydroxy-[CAS]	136470-65-0	S	5132327	Anticancer, other	Cancer, general
Achiovan			U.	8204257	Anaesthetic injectable	Anaesthesia
Aquavari			3	0204231	Allaesuleuc, injectable	Allacourcora

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
AR-116081			SN	6107324	Neuroleptic	Unspecified
	(R)-N-[5-methyl-8-(4-methylpiperazin-1-yl)- 1,2,3,4-tetrahydro-2-naphthyl]-4- morpholinobenzamide					
AR-A2	-				Anxiolytic	Anxiety, general
Arachidonic Acid		506-32-1				
aranidipine	3,5-Pyridinedicarboxylic acid, 1,4-dihydro- 2,6-dirnethyl-4-(2-nitrophenyl)-, methyl 2- oxopropyl ester- [CAS]	86780-90-7	GB	2111978	Antihypertensive, other	Hypertension, general
arbekacin	D-Streptamine, O-3-amino-3-deoxy-Alpha-D-glucopyranosyl-(1-6)-O-[2,6-diamino-2,3,4,6-tetradeoxy-Alpha-D-erythro-hexopyranosyl-(1-4)]-N1-(4-amino-2-hydroxy-1-oxobutyl)-2-deoxy-, (S)- [CAS]	51025-85-5 75282-65-4	Sn	4001208	Aminoglycoside antibiotic	Infection, general
Arbidal	1H-indole-3-carboxylic acid, 6-bromo-4- ((dimethylamino)methyl)-5-hydroxy-1- methyl-2-((phenylthio)methyl)-, ethylester, monohydrochloride [CAS]	131707-23-8	MO M	9008135	Immunostimulant, other	Infection, influenza virus
arbutamine	1,2-Benzenediol, 4-[1-hydroxy-2-[[4-(4-hydroxyphenyl)butyl]amino]ethyl]-, (R)-[CAS]	128470-16-6	WO	9220324	Diagnostic	Diagnosis, coronary
Arcitumomab		154361-48-5				
ardeparin	Heparin [CAS]	9005-49-6			Anticoagulant	Thrombosis, venous
arecoline	1,2,5,6-Tetrahydro-1-methyl-3-pyridine carboxylic acid methyl ester				Formulation, transdermal, patch	Alzheimer's disease
argatroban	2-Piperidinecarboxylic acid, 1-[5- {(aminoiminomethyl)amino]-1-0xo-2- [[(1,2,3,4-tetrahydro-3-methyl-8- quinolinyl)sulfonyl]amino]pentyl]-4-methyl- [CAS]	74863-84-6	GD.	8746	Anticoagulant	Thrombosis, arterial
Arginine		74-79-3				
Ariflo®		153259-65-5				
aripiprazole	2(1H)-Quinolinone, 7-[4-[4-(2,3- dichlorophenyl)-1-piperazinyl]butoxy]-3,4- dihydro- [CAS]	129722-12-9	ЕР	367141	Neuroleptic	Schizophrenia

API Generic Name AF					_	
	API Chemical Name	CAS No.	Patent Referer	Patent Reference	Example of Therapeutic Use	Example of Indication
1H arofylline 3,7	1H-Purine-2,6-dione, 3-(4-chlorophenyl)-3,7-dihydro-1-propyl-[CAS]	136145-07-8	EP 4	435811	COPD treatment	Chronic obstructive pulmonary disease
2-T dim arotinolol	2-Thiophenecarboxamide, 5-[2-[[3-[(1,1-dimethylethyl)amino]-2-hydroxypropyl]thio]-104766-23-6 4-thiazolyl]-, (±)- [CAS]		SN 3	3932400	Antihypertensive, adrenergic	Hypertension, general
Arsacetin		618-22-4				
arsenic trioxide Ars	Arsenic oxide (As2O3) [CAS]	1327-53-3			Anticancer, other	Cancer, leukaemia, acute myelogenous
Arsph namine		139-93-5				
Arsthinol		119-96-0				
Arteether		75887-54-6				
Arteflene		123407-36-3 (Z				
		form)				
Artemether		71963-77-4				
Artemisinin		63968-64-9				
3,1 ber trin (3A artemotil	3,12-Epoxy-12H-pyrano[4,3-j]-1,2-benzodioxepin, 10-ethoxydecahydro-3,6,9-trimethyl-, [3R-(3Alpha,5aß,6ß,8aß,9aAlpha,10Alpha,12ß,12aR ³)]- [CAS]	75887-54-6			Antimalarial	Infection, malaria
	d mono-					
(3) Pid Pid Pid Pid Pid Pid Pid Pid Pid Pid	[(3R,5aS,6R,8aS,9R,10R,12R,12aR)-decahydro-3,6,9-trimethyl-3,12-epoxy-12H-pyrano[4,3-j]-1,2-benzodioxepin-10-yllostar					
artesunate		88495-63-0			Formulation, transmucosal, systemic	Infection, malaria
Bee me arzoxifene pip	Benzo(b)thiophene-6-0l, 2-(4-methoxyphenyl)-3-(4-(2-(1-piperidinyl)ethoxy)phenoxy)- [CAS]	182133-27-3	S OM	WO 9609041	Anticancer, hormonal	Cancer, breast
Spi a)p bro AS-3201 [C	Spiro(pyrrolidine-3,4(1'H)-pyrrolo(1,2-a)pyrazine)-1',2,3',5(2'H)-tetrone, 2'-((4-bromo-2-fluorophenyl)methyl)-, (3'R)-[CAS]	147254-64-6	EP 5	520320	Symptomatic antidiabetic	Diabetic complication, general
ASA	Benzoic acid, 2-(acetyloxy)- [CAS]	50-78-2 56449-07-1			Formulation, modified-release, other	Pain, general

API Generic Name	API Chemical Name	ON SAC	Patent	Patent Reference	Example of Therapoutic Hee	Example of Indication
α-Santonin		481-06-1		3		ביים ביים ביים ביים ביים ביים ביים ביים
Ascaridole		512-85-6			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Ascorbic Acid		50-81-7				
asenapine	1H-Dibenz[2,3:6.7]oxepino[4,5-c]pyrrole, 5-chloro-2,3,3a,12b-tetrahydro-2-methyl-, trans-, (Z)-2-butenedioate (1:1) [CAS]	85650-56-2	NO MO	9523600	Neuroleptic	Psychosis, general
asimadoline	Benzeneacetamide, N-[2-(3-hydroxy-1-pyrrolidinyl)-1-phenylethyl]-N-methyl-Alpha-phenyl-, [S-(R*,R*)]- [CAS]	153205-46-0	吕	4215213	GI inflammatory/bowel disorders	fritable bowel syndrome
ocontieni	11ß-[4-(Hydroxyiminomethyl)phenyl]-17ß- methoxy-17Alpha-(methoxymethyl)estra-	4 97 900004	Ę	06.407.70		
Asoxime	910-0-1010-b	34433-31-3	1	00401/0	Mensuruation disorders	Endometriosis
Aspartic Acid		56-84-8				
Aspidin		584-28-1				
Aspidinol		519-40-4				
Aspirin		50-78-2				
Aspirin, Dipyridamole						
;	Glycinamide, N-methyl-D-asparaginyl-N-(2-carboxy-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]hept-6-yl)-D-2-(4-hydroxyphenyl)-, [2S-(2Aipha,5Alpha,6ß)]-			1		Infection, respiratory tract,
aspoxicillin	[CAS]	63358-49-6	BB	1533413	Penicillin, injectable	general
AST-120	AST 120 [CAS]	90597-58-3			Urological	Renal failure
Astemizole		68844-77-9				
asulacrine	4-Acridinecarboxamide, 9-[[2-methoxy.4- [(methylsulfonyl)amino]phenyl]amino]-N.5- 80841.47-0 dimethyl- [CAS]	80841-47-0 80841-48-1	品	39224	Anticancer, other	Cancer, general
T-1015	(N-[2-[4-(5H-Dibenzo[a,d]cyclohepten-5- ylidene)-piperdino]ethyl]-1-formyl-4- piperidinecarboxamide monohydrochloride monohydrate				1111	·
atamestane	Androsta-1,4-diene-3,17-dione, 1-methyl- [CAS]	96301-34-7	DE	3338212	Anticancer, hormonal	Cancer, breast
AT-1015 atamestane	monohydrate Androsta-1,4-diene-3,17-dione, 1-methyl- [CAS]	96301-34-7		3338212	Antithrombotic Anticancer, ho	lic normonal

API Generic Name	API Chemical Name	CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
atazanavir	2,5,6,10,13-Pentaazatetradecanedioic acid, 3,12-bis(1,1-dimethylethyl)-8-hydroxy. 4,11-dioxo-9-(phenylmethyl)-6-((4-(2- pyridinyl)phenyl)methyl)- dimethyl ester. (3S,8S,9S,12S)-, sulfate (1:1) (salt) [CAS] 229975-97-7	229975-97-7			Antiviral, anti-HIV	Infection, HIV/AIDS
atenolo	Benzeneacetamide, 4-[2-hydroxy-3-[(1-methylethyl)amino]propoxy]- [CAS]	29122-68-7 73677-19-7	GB	1285038	Antihypertensive, adrenergic	Hypertension, general
atenolol + chlorthaidone	Benzeneacetamide, 4-[2-hydroxy-3-[(1-methylethyl)amino]propoxy]-, mixt. with 2-chloro-5-(2,3-dihydro-1-hydroxy-3-oxo-1H-isoindol-1-yl)benzenesulfonamide [CAS]	73677-19-7	SN	3836671	Formulation, fixed-dose combinations Hypertension, general	Hypertension, general
atenolol + niředipine	Benzeneacetamide, 4-[2-hydroxy-3-[(1-methylethyl)amino]propoxy]- + 4-(2'-nitrophenyl)-2.6-dimethyl-3.5-dicarbomethoxy-1,4-dihydropyridine				Formulation, fixed-dose combinations	Hypertension, general
α-Terpineol		98-55-5				
Atevirdine		136816-75-6				
atipamezole	1H-imidazole, 4 (2-ethyl-2,3-dihydro-1H- inden-2-yl)- [CAS]	104054-27-5	品	183492	Reproductive/gonadal, general	Sexual dysfunction, female
atiprimod dimaleate	2-Azaspivo[4.5]decane-2-propanamine, N,N-diethyl-8,8-dipropyl, dimaleate	130065-61-1	Sn	5744495	Antiarthritic, immunological	Arthritis, rheumatoid
ATL-146e			SN	6232297	Imaging agent	Unspecified
α-Tocopherol		59-02-9				
atomoxetine	Benzenepropanamine, N-methyl-Gamma- 82248-59-7 (2-methylphenoxy)-, (R)- [CAS] 83015-26-3	82248-59-7 83015-26-3	EP	52492	Neurological	Attention deficit disorder
atorvastatin	1H-Pyrrole-1-heptanoic acid, 2-(4- fluorophenyl)-8, delta-dihydroxy-5-(1- methylethyl)-3-phenyl-4- [(phenylamino)carbonyl]- [CAS]	134523-03-8 134523-00-5	EP	409281	Hypolipaemic/Antiatherosclerosis	Hypercholesterolaemia
atosiban	Oxytocin, 1-(3-mercaptopropanoic acid)-2-(O-ethyl-D-tyrosine)-4-L-threonine-8-L-ornithine-[CAS]	90779-69-4	EP	112809	Labour inhibitor	Labour, preterm
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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
atovaquone	1,4-Naphthalenedione, 2-[4-(4- chlorophenyl)cyclohexyl]-3-hydroxy-, trans- [CAS]	95233-18-4	EP	123238	Antifungal	Infection, Pneumocystis jiroveci
atovaquone + proguanil	1,4-Naphthalenedione,2-[4-(4- chlorophenyl)cyclohexyl]-3-hydroxy-,trans + N-(4-chloro-phenyl)-N-(1- methylethyl)imidiodicarbonimidic diamide				Antimalarial	Infection, malaria
atracurium	Isoquinolinium, 2,2-[1,5-pentanediylbis[oxy(3-oxo-3,1-propanediyl)]]bis[1-[(3,4-dimethoxyphenyl)methyl]-1,2,3,4-tetrahydro-6,7-dimethoxy-2-methyl-[CAS] 64228-81-5	64228-81-5	Sn	4179557	Muscle relaxant	Surgery adjunct
atrasentan	3-Pyrrolidinecarboxylic acid, 4-(1,3-benzodioxol-5-yl)-1-[2-(dibutylamino)-2-oxoethyl]-2-(4-methoxyphenyl)-, (2R,3R,4S)- [CAS]	173937-91-2	0 0 8	9730045	Anticancer, other	Cancer, prostate
Atrial Natriuretic Peptide	-	85637-73-6				
Atrolactamide		2019-68-3				
Atropine		51-55-8				
Augmentin		74469-00-4			Formulation, modified-release, other	Infection, respiratory tract, general
auranofin	Gold, (1-thio-ß-D-glucopyranose 2,3,4,6- tetraacetato-S)(triethylphosphine)-[CAS]	34031-32-8	Sn	3708579	Antiarthritic, other	Arthritis, rheumatoid
Aurothioglucose		12192-57-3				
avasimibe	Sulfamic acid, [[2,4,6-tris(1-methylethyl)phenyl]acetyl]-, 2,6-bis(1-methylethyl)phenyl ester [CAS]	166518-60-1	SU	5491172	Hypolipaemic/Antiatherosclerosis	Atherosclerosis
Avobenzone		70356-09-1				
AWD-12-281	AWD 12-281 [CAS]	257892-33-4			Antiallergic, non-asthma	Rhinitis, allergic, general
Azacitidine		320-67-2				
Azacyclonol		115-46-8				
azanidazole	2-Pyrimidinamine, 4-[2-(1-methyl-5-nitro-1H-imidazol-2-yl)ethenyl]. (E)- [CAS]	62973-76-6	ns :	3882105	Antibacterial, other	Infection, trichomoniasis

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API Generic Name		CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
	1H-Pyrazolo[1,2-a][1,2,4]benzotriazine-1,3(2H)-dione, 5-(dimethylamino)-9-methyl-					
azapropazone	2-propyl- [CAS]	13539-59-8	띺	1440629	Anti-inflammatory	
Azaserine		115-02-6				
	2H-1,4-Benzoxazine-8-carboxamide, N-1-	123040-16-4				
	azabicyclo[2.2.2]oct-3-yl-6-chloro-3,4-	123040-94-8				
	dihydro-4-methyl-3-oxo-,	123040-96-0				
azasetron	monohydrochloride- [CAS]	123040-69-7	ᆸ	313393	Antiemetic	Nausea and vomiting, general
Azatadine		3964-81-6				
	6-[(1-Methyl-4-nitro-1H-imidazol-5-yl)thio]-					-
	1H-purine					Transplant rejection, bone
azathioprine		446-86-6			Formulation, oral, other	тагом
AZD-4282	glycine				Analgesic, other	Pain, neuropathic
	3,4 Difluorophenylcyclopropylamine					
AZD-6140				:	Antithrombotic	Thrombosis, arterial
azelaic acid	Nonanedioic acid [CAS]	123-99-9			Antiacne	Acne
	1(2H)-Phthalazinone, 4-[(4-					
	chloropheny!)methyl]-2-(hexahydro-1-					
	methyl-1H-azepin-4-yl)-,	58581-89-8				:
azelastine	monohydrochloride [CAS]	79307-93-0	88	1377231	Antiasthma	Asthma
	3,5-Pyridinedicarboxylic acid, 2-amino-1,4-					
	dinyaro-o-methyl-4-(o-mirophenyl)-, o-[1- (dinhanylmethyl)-3-azatidinyl] 5-(1-					
azelnidipine	methylethyl)ester, (+/-)- [CAS]	123524-52-7	Ш	266922	Antihypertensive, other	Hypertension, general
Azidamfenicol		13838-08-9				
Azidocillin		17243-38-8				
Azimilide		149908-53-2				
Azintamide		1830-32-6				
		76801-85-9				
	9-deoxo-9a-aza-9a-methyl-9a-	83905-01-5				Infection, respiratory tract,
azithromycin	homoerythromycin-A	92395-24-9	ട്ട	4328334	Macrolide antibiotic	lower
	4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-7-oxo-6-[[[(2-					
	:arbonyl]amino]phenylacetyl					
azlocillin	Jamino]-, [2S-[2.alpha.,5Alpha,6ß(S*)]]- [CAS]	37091-65-9 37091-66-0	GB	1392849	Penicillin, injectable	Infection, general

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API Generic Name	API Chemical Name		Refe	Reference	Example of Therapeutic Use	Example of Indication
Azosemide		27589-33-9				
	Propanoic acid, 2-[[[1-(2-amino-4-thiazolyl)] 2-[(2-methyl-4-oxo-1-sulfo-3-					
	azetidinyl)amino]-2-					
aztreonam	oxoethylideneJaminoJoxyJ-2-methyl-, [2S- 104184-69-2 [2Alpha,3ß(Z)]]+[CAS] 78110-38-0		GB	2071650	Beta-lactam antibiotic	Infection, general
	Sodium 5-isopropyl-3,8-dimethyl-1-					
azulene	azulene sulfonate	6223-35-4	Ш	88958	Formulation, modified-release, other	Inflammation, general
	4-Thia-1-azahicvolo[3 2 Olhontane-2-					
	carboxylic acid, 6-					
		•		-		
111111111111111111111111111111111111111	ster,			001000		
pacampicillin	[co-[zAlpna,5Alpna,6is(57)]]-[cA5]		3	1363506	Penicilin, oral	inrection, general
Bacitracin		1405-87-4				
	ß-(Aminomethyl)-4-					
baclofen	chlorobenzenepropanoic acid [CAS]	1134-47-0			Formulation, implant	Spastic paralysis
Baicalein		491-67-8				
	3-Oninolinecarboxylic acid 1-cyclonrobyl-6		-			
	fluoro-1,4-dihydro-8-methoxy-7-[3-	_				
balofloxacin	(methylamino)-1-piperidinyl]-4-oxo- [CAS] 127294-70-6		Ep	342675	Quinolone antibacterial	Infection, urinary tract
	Benzoic acid, 5-[[4-[[(2-					
	carboxyethyl)amino]carbonyl]phenyl]azo]-2					
balsalazide	hydroxy-, (E)- [CAS]	80573-04-2	S	4412992	GI inflammatory/bowel disorders	Colitis, ulcerative
	Carbamic acid, dimethyl-, 5-[2-[(1,1-					
	almetrayletnyt)aminoj-1-nyaroxyetnytj-1,3-	81732 46 0				
bambuterol	[CAS]		Ш	43807	Antiasthma	Asthma
Bamethan						
Bamifylline		2016-63-9				
Bamipine		4945-47-5				
Barbital		57-44-3				
	3,5-Pyridinedicarboxylic acid, 1,4-dihydro-					
	Z,5-dimethyl-4-(3-nitrophenyl)-, methyl-1- (phenylmethyl)-3-pyrrolidinyl ester, [S-	104713-75-9				
	(R*,R*)]-	_			-	- :
parnidipine		/1863-56-4	3	4220649	Antihypertensive, other	Hypertension, general

API Generic Name	API Chemical Name	CAS No.	Patent Reference	Example of Therapeutic Use	Example of Indication
	N-Methyl-3-[2-(2- napthyl)acetylamino]benzamide				
BAS-118				Antibacterial, other	Infection, Helicobacter pylori
Basic Aluminum		1339-92-0			
Carbonate Gel					
Basiliximab		179045-86-4			
Batimastat		130370-60-4			
Batroxobin		9039-61-6			
	5-cyclopropyl-2-[1(2-fluoro-benzyl)-1H-pyrazolo[3,4-b]pyridine-3-yl]pyrimidin-				
Bay-41-2272	4ylamine			Male sexual dysfunction	Sexual dysfunction, male, general
	2-[1-(2-Fluorobenzyl)-1H-pyrazolo[3.4-b]pyridin-3-yl]-5-(4-mopholinyl)pyrimidine-4 A-damina				
Bay-41-8543				Cardiovascular	Unspecified
	N-(4-chloro-3-(trifluoromethyl)phenyl)-N'-(4 (2-(N-methylcarbamoyl)-4- pyridyloxy)phenyl)urea				
BAY-43-9006				Anticancer, other	Cancer, liver
	N-[5(aminosulfonyl)-4-methyl-1,3-thiazol-2-yl]-N-methyl-2-[4-(2-pyridinyl)phenyl]acetamide				
BAY-57-1293				Antiviral, other	Infection, herpes simplex virus
bazedoxifen	TSE 424 [CAS]	198481-33-3	EP 802183	Osteoporosis treatment	Osteoporosis
8-Benzalbutyramide		7236-47-7			
	Platinum(4+), hexaaminedichlorobis(μ-(1,6-hexanediamine-N:N'))tri- stereoisomer,				
BBR-3464	tetranitrate [CAS]	172903-00-3	US 5744497	Anticancer, alkylating	Cancer, lung, non-small cell
BBR-3576			US 5519029	Anticancer, antibiotic	Cancer, prostate
BBR-3610			US 6060616	Anticancer, alkylating	Cancer, general
β-Carotene	ı	7235-40-7			
	(-)-2-R-dihydroxyphosphinyol-5-(S)- (quanin-9'-yl-methyl)tetrahydrofuran				
BCH-1868				Anticancer, antimetabolite	Cancer, general
Bebeerine		477-60-1			
Beclamide		501-68-8			

API Generic Name	API Chemical Name	CAS No.	Patent Referen	Patent Reference	Example of Therapeutic Use	Example of Indication
		0 00				
beclometasone	Pregna-1,4-diene-3,20-dione, 9-cnioro- 1118,17,21-trihydroxy-16ß-methyl, [CAS]	5534-09-8 4419-39-0	8	0006132	Formulation, inhalable, solution	Asthma
Befloxatone		134564-82-2				
	Ethanone, 1-[7-[2-hydroxy-3-[(1-methylethyl)amino]propoxy]-2-	39543-79-8				
befunoloi	benzofuranyl]-[CAS]	39552-01-7			Antiglaucoma	
Bemegride		64-65-3				
Benactyzine		302-40-9				
	1H-1-Benzazepine-1-acetic acid, 3-[[1- (ethoxycarbonyl)-3-phenylpropyl]amino]-	86541-74-4				
benazepril	2,3,4,5-tetrahydro-2-oxo-, [S-(R*,R*)]- [CAS]	86541-75-5 86541-78-8	<u>.</u>	72352	Antihypertensive, renin system	Hypertension, general
	1-Propanamine, N,N-dimethyl-3-[[1-					
bencyclane	(phenylmethyl)cycloheptyl]oxy]-, (E)-2-butenedioate (1:1) [CAS]	14286-84-1 2179-37-5	8 8	9829409	Vasodilator, peripheral	
	L-Lysine, mono[[[1-(phenylmethyl)-1H-	81919-14-4				
bendazac	indazol-3-yl]oxy]acetate] [CAS]	20187-55-7	GB	2081708	Ophthalmological	
Bendroflumethiazide		73-48-3				
Benexate		78718-25-9				
Son Broad	Ethanol, 2-[[1-methyl-2-[3- (trifluoromethyl)phenyl]ethyl]amino]-,	23602-78-0	9	1176518	H.vollmomin/Antiathorocoloneic	
Donfotiamino	Delizuate (ester) [CAO]	23042-00-2	$\overline{}$	0100	TyponpaemicAmania Oscietosis	
Benfurodil		3447-95-8				
	3,5-Pyridinedicarboxylic acid, 1,4-dihydro-2,6-dimethyl-4-(3-nitrophenyl)-, methyl 1-					
benidipine	<pre>(phenylmethyl)-3-piperidinyl ester, monohydrochloride (R*,R*)-(+/-)-[CAS]</pre>	105979-17-7 91599-74-5	굡	63365	Antihypertensive, other	Hypertension, general
Benorylate		5003-48-5				
Benoxaprofen		67434-14-4				
Benoxinate		99-43-4				
Benperidol		2062-84-2				
Benproperine		2156-27-6				
Benserazide		322-35-0				

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of I herapeutic Use	Example of Indication
1	2H-[1]Benzothieno[2,3-e]-1,4-diazepin-2-			25000		
Demazepani	0-01-20462, [cAo]/(IBIN-0-010/10/04), (c,1,1,0,0), (a)		5	0/70007	Alixiolytic	- Account of the control of the cont
B ntiroimide		3/ 100-9/-1				
Bentoquatam		1340-69-8				
Benzalkonium		8001-54-5				
Benzarone		1477-19-6				
	Methanone, (3,5-dibromo-4-hydroxynhenyl)/2-efbyl-3-benzofuranyl)-					
benzbromarone	[CAS]	3562-84-3	ns :	3012042	Antigout	
Benzethonium		121-54-0				
Benzetimide		14051-33-3				
Benzilonium		1050-48-2				
Benziodarone		9-06-89				
benznidazole	N-benzyl-2-nitroimidazole-1-acetamide	22994-85-0	GB	1138529	Protozoacide	
benzocaine	Benzoic acid, 4-amino-, ethyl ester	94-09-7			Formulation, fixed-dose combinations	Pain, musculoskeletal
Benzoctamine		17243-39-9				
Benzonatate		104-31-4				
Benzoxonium Chloride		19379-90-9				
benzoyl peroxide	Peroxide, dibenzoyl [CAS]	94-36-0			Formulation, other	Acne
Benzoylpas		13898-58-3				
Benzphetamine		156-08-1				
Benzpiperylon		53-89-4				
Benzquinamide		63-12-7				
Benzthiazide		91-33-8				
Benztropine		132-17-2				
penzydamine	132-69-4 (Inhendmethyl-3-[[1-	132-69-4 642-72-8	•		Stomatological, reproductive/gonadal,	
Benzyl Benzoate	Control (Control (Con	120-51-4				
Dental Leafer		1004 70 0				
Benzyinyarochiorothiazi de		1824-50-6				
Benzylmorphine		14297-87-1				
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API Generic Name	API Chemical Name	ON S. A.C.	Patent	II ence	Example of Therapeutic Use	Example of Indication
Benhenium		3818-50-6	3	3		Tompie of morenous
Hydroxynaphthoate						
1,000	4- oxy)-, (S)-,	190786-44-8		0070000	11 - 11 - 11 - 11 - 11 - 11 - 11 - 11	
pepotastine	Inonopenzenesunonare [CAS]		2	029409	Antianergic, non-astrina	Alielyy, yellelal
	1-Pyrrolidineethanamine, ß-[(2-methylpropossy)methyll.N-nhenyl.N-	64706-54-3				
bepridil	(phenylmethyl)- [CAS]	74764-75-3	땁	146155	Antianginal	Angina, general
	1H-Cyclopenta[b]benzofuran-5-butanoic					
heraprost	acid, 2,3,3a,8b-tetrahydro-2-hydroxy-1-(3- 88475-69-8 hydroxy-4-methyl-1-ortan-6-yov)l- ICASI 88430-50-6	88475-69-8 88430-50-6	<u>v</u>	4474802	Prostaglandin	Peripheral vascular disease
Berberine	\top	2086-83-1				
Bergapten		484-20-8				
Bermoprofen		78499-27-1				
Besipirdine		119257-34-0				
	2-Pyridineethanamine, N-methyl-,					
:	dihydrochloride	5579-84-0				:
betahistine		5638-76-6			Formulation, modified-release, <=24hr Meniere's disease	Meniere's disease
betaine	Betaine- [CAS]	107-43-7		ļ	Metabolic and enzyme disorders	Homocystinuria
	Pregna-1,4-diene-3,20-dione, 9-fluoro-					
l betamethasone	11,17,21-mnyaroxy-16-memyl-, (111s,16ts)- [CAS]	378-44-9			Formulation, dermal, topical	Psoriasis
Betamipron		3440-28-6				
Betasine		3734-24-5				
	2-Propanol, 1-[4-[2- [rxclopropy methoxylethy lphenoxy]-3-[(1-63659-18-7	53659-18-7				Hypertension, general
betaxolol	methylethyl)amino]- [CAS]	63659-19-8	US 4	4252984	Antihypertensive, adrenergic	glaucoma
Betazole		105-20-4				
Bethanechol		590-63-6				
Bethanidine		55-73-2				
Betoxycaine		3818-62-0				
β-Eucaine		500-34-5				
	2-Propanol, 1-[[2-(3,4-	0 02 73001				
bevantolol	methylphenoxy)- [CAS]	59170-23-9	ns =	3857891	Antihypertensive, adrenergic	Hypertension, general
Bevonium		5205-82-3				

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
	Benzoic acid, 4-(1-(5,6,7,8-tetrahydro-					
bexarotene	s,s,s,e-pentametnyr-z- naphthalenyl)ethenyl)- [CAS]	153559-49-0	8	9321146	Anticancer, other	Cancer, lymphoma, T-cell
	Propanoic acid, 2-[4-[2-[(4-chlorobenzovl)aminolethy]phenoxy]-2-					
bezafibrate	methyl- [CAS]	41859-67-0	GB	1359264	Hypolipaemic/Antiatherosclerosis	
Bezitramide		15301-48-1				
BG-9928		166374-48-7			Cardiostimulant	Heart failure
	10,11-dihydro-10-hydroxyimino-5H-dibenz/b,f/azepine-5-carboxamide					
BIA-2-024		199997-15-4	ş	9745416	Antiepileptic	Epilepsy, general
BIA-2-093	(S)-(-)-10-acetoxy-10,11-dihydro-5H-dibenzo/b,f/azepine-5-carboxamide- [CAS] [236395-14-5	236395-14-5			Antiepileptic	Epilepsy, general
	1-(3,4-dihydroxy-5-nitrophenyl)-2-phenyl- ethanone					
BIA-3-202		274925-86-9	윱	1010688	Antiparkinsonian	Parkinson's disease
Bialamicol		493-75-4				
	5H-Pyrazolo[1,2-a][1,2,4]triazol-4-ium, 6- [[2-carboxy-6-(1-hydroxyethyl)-4-methyl-7- oxo-1-azabicyclo[3,2.0]hept-2-en-3-y]lthol-					
biapenem	6,7-dihydro-, hydroxide, inner salt, [4R- [4Alpha,5ß,6ß(R*)]]- [CAS]	120410-24-4	요	289801	Beta-lactam antibiotic	Infection, beta-lactamase resistant
Bibenzonium		15585-70-3				
Bibrocathol		6915-57-7				
	Propanamide, N-[4-cyano-3- (trifluoromethyl)phenyl]-3-[(4- fluorophenyl)sulfonyl]-2-hydroxy-2-methyl-					
bicalutamide	(+/-)- [CAS]	90357-06-5	ЕP	100172	Anticancer, hormonal	Cancer, prostate
bicifadine	3-Azabicyclo[3.1.0]hexane, 1-(4-methylphenyl)-, (+/-)- [CAS]	66504-75-4 71195-57-8	出	2740562	Analgesic, other	Pain, general
bicyclic monoterpene diols			Sn	6294585	Dermatological	Unspecified
Bidisomide		116078-65-0				
Bietamiverine		479-81-2				
Bietanautine		6888-11-5				

API Generic Name Bietaserpine 1-Butanamine, N-methyl-4-[2-(phenylmethyl)phenoxy]-, hydrochloride [CAS] Bifluranol 1H-Imidazole, 1-([1,1-biphenyl]-4-(3-hydrochloride [CAS]) 5-Heptenamide, 7-(3,5-dihydroxy-2-(3-hydroxy-5-phenyl-1-pentenyl))cyclopentyl) N-ethyl (1R-(14 pha(Z)2ß(1E,3S,34pha,5Alpha))) [CAS] N-(2-hydroxy-3-(1-piperidinyl)propoxyl-3-pyridinecarboximidoyl chloride, (Z)-2-butanedioate (1:1) (1,1-Biphenyl)-3-acetic acid, 3:3"-(1,6-hexanediyl)bis(6'-Alpha-D-mannopyranosyloxy)-, [CAS] Binifibrate Adenosine, 2- ((cyclohexylmethylene)hydrazino)- [CAS]		ON ON	Patent	nce		
Name						
			Kere		Example of Therapeutic Use	Example of Indication
se te se	2	53-18-9				
See te					-	
See te			9	1512880	Cognition enhancer	Attention deficit disorder
se te		34633-34-6				
se (te		60628-96-8				
98 93 55		60629-08-5 60629-09-6	US 4	4118487	Antifungal	Infection, fundal, general
se te	ihydroxy-2-(3-					
te te	leny!)cyclopenty!)-					
se te	;					
se te		155206-00-1	SN	5688819	Prostaglandin	Glancoma
se te	T.		1	Τ		
te les	lloride, (Z)-2-					
		130493-04-8	US E	5147874	Symptomatic antidiabetic	Neuropathy, diabetic
	acid, 3',3"'-(1,6-					
		187269-40-5	S)	5444050	Antiasthma	Asthma
_		69047-39-8				
u		_				
1 404		144348-08-3		-	Vasodilator, coronary	Diagnosis, coronary
Biomed-101			SN	6423744	Anticancer, other	Cancer, renal
Biotin		58-85-5				
Biperiden		514-65-8				
2-Piperidinecarboxylic acid, 1-(oxo(3,4,5-	cid, 1-(0xo(3,4,5-					
trimethoxyphenyl)acety)-,4-(3-pyridinyl)-1-	1-,4-(3-pyridinyl)-1-					
hydroxy-1,2,3-propanetricarboxylate (1.2)	_	174254-13-8				
biricodar [CAS]		159997-94-1	_		Radio/chemosensitizer	Cancer, breast
1-Butanone, 1-(4-fluorophenyl)-4-	henyl)-4-					
hexahudronusani 2.1 61.2.7 (2.4.6)	1 Sloveidol 3 A					
biriperone		42021-34-1	DE 2	2333922	Neuroleptic	
Bisacodyl		603-50-9			1.11	
Bisantrene		78186-34-2				

API Generic Name	API Chemical Name	CAS No	Patent Referen	Patent Reference	Example of Therapeutic Use	Example of Indication
Bisbentiamine		2667-89-2				
Bisdequalinium		52951-36-7				
Bismuth Aluminate		12284-76-3				
Bismuth		53897-25-9				
Butylthiolaurate						
Bismuth Ethyl		52951-37-8				
Bismuth lodosubgallate		138-58-9				
Bismuth Sodium lodide		53778-50-0				
Bismuth Sodium		5798-43-6				
Triglycollamate		000				
Bismuth Subcarbonate		2892-10-4				
Bismuth Subgallate		22650-86-8				
Bismuth Subnitrate	11.00.00007	1304-85-4				
Bismuth Subsalicylate		14882-18-9				
Bismuth		5175-83-7				
Tribromophenate						
bisoprolol	2-Propanol, 1-{4-[[2-(1-methylehonoxy]-3-[(1-methylethoxy)ethoxy]methylehylamino]-[CAS]	104344-23-2 66722-44-9	GB	1532380	Antihypertensive, adrenergic	Heart failure
bisoprolol + HCTZ	2-Propanol, 1-[4-[[2-(1-methylethoxy]-3-[(1-methylethy)] mixt. with 6-chloro-3,4-dihydro-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide				Formulation, fixed-dose combinations	Hypertension, general
	2-Propanol, 1-[4-[[2-(1-methylethoxy]ethoxy]methylphenoxy]-3-[[1-methylethyl)amino] mixt. with 6-chloro-3-(dichloromethyl)-3,4-dihydro-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-benzoth					
bisoprolol+trichloromethiazide	מוסעומב				Formulation, fixed-dose combinations	Hypertension, general
Bisoxatin		14008-48-1				

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
Bithionol		97-18-7				
Bitolterol		30392-40-6				
Bitoscanat		4044-65-9				
BL-3875			0M	0218378	Anti-inflammatory	Unspecified
		11056-06-7				-
bleomycin	Bleomycin [CAS]	9041-93-4			Formulation, transdermal, enhanced	Cancer, head and neck
	Cycloocta[b]pyridine, 2-(4-ethyl-1-					
	piperazinyl)-4-(4-fluorophenyl)-			70000		
Dionanserin	5,6,7,8,9,10-nexanydro-[CA5]	132810-10-/		383237		ocnizophrenia
BMS-184476			臣	639577	Anticancer, other	Cancer, breast
	cis-(+/-)-2-(Ethylthio)-5,7-dihydroxy-8-(3-					
	hydroxy-1-methyl-4-piperidinyl)-4H-1-		9			-
BMS-387032	benzopyran-4-one		MO	9742949	Anticancer, other	Cancer, genera
	4-[2-(aminomethyl)-1,3-thiazol-4-yl]-2,6-di-					
	tert-butylphenol, dihydrochloride					
BN-82451					Neuroprotective	Unspecified
	Ethanesulfonic acid, 2.2'-dithiobis-,					
18NP-7787	disodium sait [CAS]	16208-51-8			Radio/chemoprofective	Chemotherapy-induced nausea and vomiting
	5-Benzofuranol, 4,6-bis(1,1-dimethylethyl)-					
BO-653	2,3-dihydro-2,2-dipentyl- [CAS]	157360-23-1	WO	WO 9408930	Hypolipaemic/Antiatherosclerosis	Atherosclerosis
Bolandiol		19793-20-5				
Bolasterone		1605-89-6				
Bold none		846-48-0				
	-3-					
	-4-yl)oxy]-, benzoate					=
bopindolol	(ester), (+/-)- [CAS]	82857-38-3	US	4340541	Antihypertensive, adrenergic	Hypertension, general
Bornyl Chloride		464-41-5				
Bornyl Salicylate		560-88-3				
	Boronic acid, [(1R)-3-methyl-1-[[(2S)-1-oxo					
	3-phenyl-2- (forezziovicarhonylaminologovilaminolog					
bortezomib	[(b) aziny izanoniy yanını olpropy janını olpra [tyl]- [CAS]	179324-69-7	SN	6271199	Anticancer, other	Cancer, myeloma
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API Generic Name	API Chemical Name	CAS No.	Patent Referen	Patent Reference	Example of Therapeutic Use	Example of Indication
nestran	Benzenesulfonamide, 4-(1,1-dimethylethyl)-N-[6-(2-hydroxyethoxy)-5-(2-methoxyphenoxy)[2,2'-bipyrimidin]-4-yl]-	147536 07.8	٥	633260		Hynertension pulmonary
BP2.94	I, 2-[[[(1R)-2-(1H-imidazol-4-yl)-1-ethyllimino]phenylmethyl]- [CAS]		0 0	9117146	Respiratory	Rhinitis, general
BP4.897			Б	779284	Dependence treatment	Addiction, cocaine
B-Propiolactone		57-57-8				
Bradycor		140661-97-8				
Brain Natriuretic Peptide		114471-18-0				
Brallobarbital		561-86-4				
	8-Azabicyclo(3.2.1)octane-2-carboxaldehyde, 3-(3.4-dichlorophenyl)-8-methyl- O-methyloxime (1R-					
brasofensine	(1Alpha,2ß(E),3Alpha,5Alpha))- [CAS]	171655-91-7	8	9528401	Antiparkinsonian	Parkinson's disease
Brequinar		96187-53-0				
Bretylium		61-75-6				
Brilliant Green		633-03-4				
brimonidine	6-Quinoxalinamine, 5-bromo-N-(4,5-dihydro-1H-imidazol-2-yl)- [CAS]	59803-98-4	岜	2538620	Antiglaucoma	Glaucoma
	2H-Thieno(3,2-e)-1,2-thiazine-6-sulfonamide, 4-(ethylamino)-3,4-dihydro-2-(3-methoxypropyl)-, 1,1-dioxide, (R)-					
brinzolamide	[cAs]	138890-62-7	2	5378703	Antiglaucoma	Glaucoma
- Prividin	Uridine, 5-(2-bromoethenyl)-2'-deoxy, (E)-	60304.47-8			Antiviral other	Infection varicella zoster virus
Brodimoprim		56518-41-3				
Bromazepam		1812-30-2	ļ			
hromfann	Benzeneacetic acid, 2-amino-3-(4-	91714-93-1			Comulation munocal toolool	Inflammation ocular
Brombovino		3572.43.8	_		י סיוומייסין, ייומיססמי, ייסססמין, ייסססמיין, ייססמיין, ייססמיין, ייססמיין, ייססמיין, ייססמיין, ייססמיין, ייססמייין, ייססמיייין, ייסססמייייי, ייסססמיייי, ייסססמיייי, ייססמיייי, ייסססמיייי, ייסססמיייי, ייסססמיייי, ייססמיייי, ייססייייי, ייססמייייי, ייססיייייי, ייסססמיייייי, ייססיייייייייי	
Bromindione		1146-98-1				
Bromisovalum		496-67-3				

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API Generic Name	API Chemical Name		Refer	Reference	Example of Therapeutic Use	Example of Indication
Bromocriptine		25614-03-3				
Bromodiphenhydramine		118-23-0				
Bromoform		75-25-2				
Bromopride		4093-35-0				
Bromosalicylchloranilid		3679-64-9				
	1-Butanone, 4-[4-(4-bromophenyl)-4-hydroxy-1-pineridinyl]-1-(4-fluorophemyl).					
bromperidol	[CAS]	10457-90-6	ns 3	3438991	Neuroleptic	Psychosis, general
Brompheniramine		86-22-6				
Broparoestrol		479-68-5				
Bropirimine		56741-95-8				
brostallicin	4-(2-Bromoacrylamido)-N"-(2- guanidinoethyl)-1,1',1",1"-tetramethyl- N,4:N',4":N",4"-quater-[pyrrole-2-				Anticancer other	Canner neneral
	GH Thional 2 Alt 2 Altrianalal 2				Anticancer, ourer	Valleti, general
brotizolam	on-Trienolo, 2-1 , 1, 2, 4 triazolol4, 3- al[1,4]diazepine, 2-bromo-4-(2- chlorophenyl)-9-methyl- [CAS]	57801-81-7		4094984	Hynnotic/Sedative	
Brovincamine		6	1			
Broxuridine		59-14-3				
Broxyquinoline		521-74-4			441.5	
Brucine		357-57-3				
β-Sitosterol		83-46-5				
Bucetin		1083-57-4				
Bucillamine		65002-17-7				
Bucindolol		71119-11-4				
bucladesine	Adenosine, N-(1-oxobutyl)-, cyclic 3',5'- (hydrogen phosphate) 2'-butanoate [CAS]	362-74-3	<u>ਰ</u>	51113896	Cardiostimulant	Wound healing
Buclizine		82-95-1				
Buclosamide		575-74-6				
Bucolome		841-73-6				
bucricaine	9-Acridinamine, N-butyl-1,2,3,4-tetrahydro- , monohydrochloride [CAS]	82636-28-0			Anaesthetic, local	

API Generic Name	API Chemical Name	ON SAC	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
Bucumolol		58409-59-9		3	ĺ	
budesonide	Pregna-1,4-diene-3,20-dione, 16,17- [butylidenebis(oxy)]-11,21-dihydroxy-, (118,16Alpha)- [CAS]	51333-22-3	GB	1429922	Antiasthma	Asthma
budesonide + formoterol	Pregna-1,4-diene-3,20-dione, 16,17- [butylidenebis(oxy)]-11,21-dihydroxy- ,(118,1bAlpha) + formamide, N-[2-hydroxy- 5-[1-hydroxy-2-[[2-(4-methoxyphenol)-1- methylethyl]amino]ethyl]phenyl]-(R*,R*)-(±)				Formulation, fixed-dose combinations	Asthma
budipine	Piperidine, 1-(1,1-dimethylethyl)-4,4-diphenyl- [CAS]	57982-78-2 63661-61-0	띰	2825322		Parkinson's disease
Budralazine		36798-79-5				
Bufeniode		22103-14-6				
Bufetolol		53684-49-4				
bufexamac	p-butoxyacetohydroxamic acid	2438-72-4	SN	3479396	Anti-inflammatory	
buflomedil	1-Butanone, 4-(1-pyrrolidinyl)-1-(2,4,6-trimethoxyphenyl)- [CAS]	35543-24-9 55837-25-7	GB	1325192	Vasodilator, peripheral	
Buformin		692-13-7				
Bufuralol		54340-62-4				
Bumadizon		3583-64-0				
bumetanide	Benzoic acid, 3-(aminosulfonyl)-5- (butylamino)-4-phenoxy- [CAS]	28395-03-1	Sn	3806534	Antihypertensive, diuretic	Hypertension, general
bunaftine	1-Naphthalenecarboxamide, N-butyl-N-[2-(diethylamino)ethyll- [CAS]	32421-46-8	E E	2009894	Antiarrhythmic	
Bunamiodyl Sodium		1923-76-8				
bunazosin	1H-1,4-Diazepine, 1-(4-amino-6,7-dimethoxy-2-quinazolinyl)hexahydro-4-(1-52712-76-2oxobutyl)- [CAS]	52712-76-2 80755-51-7	89	1398455	Antihypertensive, adrenergic	Hypertension, general
bunitrolol	Benzonitrile, 2-[3-[(1,1-dimethylethyl)aminol-2-hydroxypropoxy]-[CAS]	34915-68-9	Sa	3940489	Antihypertensive, adrenergic	
bupivacaine	2-Piperidinecarboxamide, 1-butyl-N-(2,6-dimethylphenyl)-[CAS]	38396-39-3 2180-92-9			Formulation, modified-release, >24hr	Anaesthesia
Bupranolol		14556-46-8				
		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2]			

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API G neric Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
	6,14-Ethenomorphinan-7-methanol, 17-					
	(cyclopropylmethyl)-Alpha-(1,1-					
	dimethylethyl)-4,5-epoxy-18,19-dihydro-3-					
	hydroxy-6-methoxy-Alpha-methyl-,	52485-79-7				
buprenorphine	[5Alpha,7Alpha(S)]- [CAS]	53152-21-9	S	3433791	Analgesic, other	
	-[(1,1-	31677-93-7		440400		
napidpidi	uniterity identify daminoj-, (*/-/- [CAS]	7-00-11640	3	4472202	Amuepressant	Depression, general
Buramate		4663-83-6				
	Luteinizing hormone-releasing factor (pig), 6.10-(11-dimethylathyl)-Description					
	ethyl-L-prolinamide)-10-deglycinamide-	57982-77-1				
buserelin	[CAS]	68630-75-1	GB	1523623	Releasing hormones	Cancer, prostate
	8-Azaspirol4 51decane-7 9-dione 8-14-14-					
buspirone		36505-84-7	品	276536	Anxiolytic	Anxiety, general
busulfan	1,4-Butanediol, dimethanesulfonate [CAS] 55-98-1	55-98-1			Formulation, optimized, microparticles	Cancer, general
					-	Cancer leukaemia acute
uejiisiiq	1.4-Butanediol dimethanesulfonate. [CASI 55-98-1	45.08.1			Formulation parenteral other	Cancer, leukaemia, acute
	for of common and the common of	1 70 07 7			in the state of th	250006000000000000000000000000000000000
Butabarbital		143-81-7				
Butacaine		149-16-6				
Butac tin		2109-73-1				
Butalamine		22131-35-7				
Butalbital		77-26-9				
Butallylonal		1142-70-7				
butamben	4-Aminobenzoic acid butyl ester [CAS]	94-25-7			Formulation, modified-release, other	Pain, cancer
	Benzeneacetic acid, Alpha-ethyl-, 2-[2-	18109.80.3				
butamirate	1,2,3-propanetricarboxylate (1:1) [CAS] 18109-81-4	18109-81-4			Antitussive	Cough
Butanilicaine		3785-21-5				
Butaperazine		653-03-2				
Butaverine		55837-14-4				
Butazolamide		16790-49-1				
Butedronic Acid		51395-42-7				

API Generic Name API Chemical Name 1-Naphthalenemethanamine, N-((4-(1,1 dimethyl)phenyl)methyl)-N-methyl-N-met	API Chemical Name 1-Naphthalenemethanamine, N-((4-(1,1-dimethylethyl)phenyl)methyl)-N-methyl-(CAS)	CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
			Refe	rence		Frample of Indication
ate ine e					1	
ate ine e e						
ate ine e		101827-46-7	O.	164697	Antifingal	Infection dermatological
ine e e			1			50.6
e e		14007-64-8				
w _		2090-89-3				
o _		510-90-7				
		2043-38-1				
		55837-18-8				
		1506-12-3				
() I) 1 olorodim 111	<u>-</u>	55769-64-7 55769-65-8	- Sn	4021473	Antiarrhythmic	Arrhythmia, general
11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	,					
[(4,5-elicniorophenyi)thio]buty]-, (+/-)- butoconazole [CAS]		64872-77-1 64872-77-1	gg	1567431	Antifungal	Infection, Candida, general
Butoctamide		32838-26-9				
Butofilolol	(64552-17-6				
Morphinan-3 14-diol	Morphinan-3 14-digl 17-(evolobutylmethyl)					
[S-(R*,R*)]-2,3-dihy			_			
butorphanol (1:1) (salt) [CAS]	3	58786-99-5	GB	1412129	Analgesic, other	
Butoxycaine		3772-43-8				
Butriptyline		35941-65-2				
Butropium		29025-14-7				
Buzepide		3691-21-2				
BVT-5182			MO	0208178	Anorectic/Antiobesity	Obesity
2H-1,2-Benzoselena BXT-51072 dimethyl- [CAS]	2H-1,2-Benzoselenazine, 3,4-dihydro-4,4-dimethyl- [CAS]	173026-17-0			GI inflammatory/bowel disorders	Colitis, ulcerative
6H-Imidazo[4,5,1-de] (diethylamino)ethyla 2HCI 2H2O	6H-Imidazo[4,5,1-de]acridin-6-one, 5-[[2- (diethylamino)ethyl]amino]-8-hydroxy-, 2HCL 2H2O					
C-1311					Anticancer, other	Cancer, general
Ergoline-8-carboxamide, N-[3- (dimethylamino)propyl]-N- [(ethylamino)carbonyl]-6-(2-propenyl)-, cabergoline	penyl)-,	81409-90-7 85329-89-1	GB	2103603	Antiprolactin	Galactorrhoea

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Ari Generic Name	Ari chemical name	CAS NO.	кетегепсе	Example of Inerapeutic Use	example of Indication
Cabergoline		81409-90-7			
Cacodylic Acid		75-60-5			
Cactinomycin		8052-16-2			
cadexomer iodine	Cadexomer iodine [CAS]	94820-09-4		Anti-infective, other	Ulcer, venostasis
Cadmium Salicylate		19010-79-8			
Cadralazine		64241-34-5			
Cafaminol		30924-31-3			
	1,2,3,-Propanetricarboxylic acid, 2-hydroxy mixt. with 3,7-dihydro-1,3,7-trimethyl-1H-	69-22-7			
caffeine		58-08-2		Respiratory	Apnoea
Calcifediol		19356-17-3			
Calcipotriene		112965-21-6			
calcipotriol	9,10-Secochola-5,7,10(19),22-tetraene- 1,3,24-triol, 24-cyclopropyl- ,(1Alpha,38,52,7E,22E)- [CAS]	112965-21-6	WO 8700834	Antipsoriasis	Psoriasis
	9,10-Secochola-5,7,10(19),22-tetraene- 1,3,24-triol, 24-cyclopropyl- ,(1Alpha,38,52,7E.22E) + Pregna-1,4-				
	diene-3,20-dione, 9-chloro-118,17,21- trihydroxy-168-methyl, 17,21-dipropionate				
calcipotriol+beclometasone				Formulation, fixed-dose combinations	Psoriasis
calcitriol	9,10-Secocholesta-5,7,10(19)-triene- 1,3,25-triol, (1Alpha,3ß,5Z,7E)- [CAS]	32222-06-3		Antipsoriasis	Psoriasis
Calcium 3-Aurothio-2-		5743-29-3			
propanol-1-sulfonate					
Calcium Acetylsalicylate		69-46-5	-		
Calcium		33659-28-8			
Bromolactobionate				er entre ent	
Calcium Carbonate		471-34-1			
Calcium Gluconate		299-28-5			
Calcium		27214-00-2			
Glycerophosphate					

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
	Calcium D-(+)-4-(2,4-dihydroxy-3,3-dimethylbutyramido)butyrate					
calcium hopantothenate	(hemihydrate) [CAS]	17097-76-6	EP	117260	Neurological	Attention deficit disorder
Calcium lodobehenate		1319-91-1				
Calcium lodostearate		1301-16-2				
Calcium Lactate		814-80-2				
Calcium Levulinate		591-64-0	_			
Calcium Mesoxalate		21085-60-9				
Calcium N-		16649-79-9				
Carbamoylaspartate						
calcium polycarbophil	Polycarbophil, calcium salt- [CAS]	126040-58-2 9003-97-8			Gl inflammatory/bowel disorders	Irritable bowel syndrome
Calcium Propionate		4075-81-4				
Calcium Succinate		140-99-8				
	5-methyl-2-(1-piperazinyl)-benzenesulfonic acid monohydrate					
caldaret		133804-44-1			Cardiostimulant	Heart failure
Calusterone		17021-26-0				
Camazepam		36104-80-0				
	Benzeneacetic acid, 4-[[4-	59721-28-7				
	2-(dimethylamino)-2-oxoethyl ester,	59721-29-8				
camostat	monomethanesulfonate [CAS]	71079-09-9	S	4021472	Gl inflammatory/bowel disorders	Pancreatitis
Camphor		76-22-2				
Camphotamide		4876-45-3				
	4-Ethyl-4-hydroxy-1H-pyrano- [13'4':6,7]indolizinol[1,2-b;]quinoline-					
camptothecin	3,14(4H,12H)-dione				Formulation optimized microemulsion Cancer general	Cancer, general
Candesartan		139481-59-7	_			
	1H-Benzimidazole-7-carboxylic acid, 2- pthoxy-1-IC2-(1H-tetrazol-5-v)/11.1.					
	biphenyl]-4-yl]methyl]-, 1-					
candesartan cilexetil	[[(cyclohexyloxy)carbonyl]oxy]ethy ester, (+/-)- [CAS]	145040-37-5	Э	520423	Antihypertensive, renin system	Hypertension, general
Candoxatril		123122-55-4				
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API Generic Name	API Chemical Name	CAS No.	Reference	ence	Example of Therapeutic Use	Example of Indication
	N-{4-(3-(Chloro-4-fluoro-phenylamino)-7-(3 morpholin-4-yl-propoxy)-quinazolin-6-yl}-					
canertinib	acrylamide	289499-45-2			Anticancer, other	Cancer, lung, non-small cell
Canrenone		976-71-6				
Cantharidin		56-25-7				
	Maytansine, NZ-deacetyl-NZ-(3-mercapto-1-oxopropyl)-, conjugated humanized C242 monoclonal antibody					
cantuzumab mertansine		139504-50-0			Immunotoxin	Cancer, colorectal
capecitabine	Cytidine, 5-deoxy-5-fluoro-N- [(pentyloxy)carbonyl]- [CAS]	154361-50-9	EP 6	602454	Anticancer, antimetabolite	Cancer, breast
Capobenic Acid		21434-91-3				
	-2-methanol, 5-(3,5- yl)thio-4-(1-methylethyl)-1-(4-					
capravirine	pyridinyl)methyl carbamate (ester) [CAS]	178979-85-6			Antiviral, anti-HIV	Infection, HIV/AIDS
Capromab		151763-64-3				
capsaicin cream	N-[(4-hydroxy-3-methoxyphenyl)methyl]-8-methyl-, [E)- [CAS]	404-86-4			Formulation, dermal, topical	Pain, post-herpetic
Captodiamine		486-17-9				
captopril	L-Proline, 1-(3-mercapto-2-methyl-1-oxopropyl)-, (S)- [CAS]	62571-86-2	US 4	4105776	Antihypertensive, renin system	Hypertension, general
	L-Proline, 1-(3-mercapto-2-methyl-1-oxopropyl)-, (S)-, mixt, with 6-chloro-3,4-dihydro-2H-1,2,4-benzothiadiazine-7-					
captopril + HCTZ	sulfonamide 1,1-dioxide [CAS]	110075-07-5	US 4	4217347	Antihypertensive, renin system	
Capuride		5579-13-5				
to not one	Benzamide, N-(6-acetyl-3,4-dihydro-3-hydroxy-2,2-dimettyl-2H-1-benzopyran-4-	7 70 70 70	9	0041000		
Caraminhen	(סלט) (פופודיוס) יסיסיידיוע			0601100	Antepnebuc	chiepsy, general
carazolol	2-Propanol, 1-(9H-carbazol-4-yloxy)-3-[(1-methylethyl)amino]- [CAS]	57775-29-8	DE 2	2240599	Antihypertensive, adrenergic	
Carbachol		51-83-2				
carbamazepine	5H-Dibenz[b,f]azepine-5-carboxamide [CAS]	298-46-4			Formulation, modified-release, other	Epilepsy, general

			Patent			
API Generic Name	API Chemical Name	CAS No.	Reference		Example of Therapeutic Use	Example of Indication
Carbamide Peroxíde		124-43-6				
Carbarsone		121-59-5				
Carbaryl		63-25-2				
Carbazochrome		13051-01-9		-		
	Methyl-2-henzimidazolecarhamate	20200	-			
carbendazim					Anticancer, other	Cancer, general
Carbenicillin		4697-36-3				
Carbenoxolone		5697-56-3				
Carbetapentane		77-23-6				
-	Carbonic acid disodium salt, mixt. with					
Carbicarb	monosodium salt- [CAS]	72227-05-5			Alimentary/Metabolic, other	Acidosis
Carbidopa		28860-95-9				
	S-Alpha Hydrazino-3,4-dihydroxy-Alpha					
	methyl benzene propanoic acid					
	monohydrate +3-hydroxy-L-tyrosine					:
carbidopa+levodopa-1					Formulation, fixed-dose combinations	Parkinson's disease
Carbimazole		22232-54-8				
Carbinoxamine		486-16-8				
Carbocloral		541-79-7				
carbocysteine		151756-26-2 638-23-3	EP 546272		Cystic fibrosis treatment	Cystic fibrosis
Carbon Tetrachloride		56-23-5				
	1					
carboplatin	Cyclobutaned Consynato(27)7, (OF 4-2)-	41575-94-4			Anticancer, alkylating	Cancer, ovarian
Carboprost		35700-23-3				
	Prosta-5,13-dien-1-oic acid, 9,11,15- trihydroxy-15-methyl-,					
	3E,15S)-, compd. ymethyl)-1,3-	58551-69-2				
carpoprost trometamol			US 3/28	3/28382	Prostaglandin	Abortion
Carboquone	2,5-Cyclohexadiene-1,4-dione, 2-[2- [(aminocarbonyl)oxyl-1-methoxyethyl]-3,6- bis(1-aziridinyl-5-methyl-ICAS)	24279-91-2	DE 1905	1905224	Anticancer antibiotic	
Carbromal						
		200				

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
Carbubarb		960-05-4				
Carbutamide		339-43-5				
Carbuterol		34866-47-2				
Carfimate		3567-38-2				
carolimic acid	N-Carbamoyl-L-glutamic acid	1188 38 1			Metabolic and enzyme disorders	Hypersmin
Carqutocin		33605-67-3			מבמקסוס פוות פודל ווופ מוסיות פו	1 Peraminanta
Carindacillin		35531-88-5				
cariporide	Benzamide, N-(aminoiminomethyl)-4-(1-methylethyl)-3-(methylsulfonyl)- [CAS]	159138-80-4 159138-81-5	G	589336	Antianginal	Angina, general
Cariporide		159138-80-4				
Carisoprodol		78-44-4				
carmofur	1(2H)-Pyrimidinecarboxamide, 5-fluoro-N-hexyl-3,4-dihydro-2,4-dioxo- [CAS]	61422-45-5	Sn	4071519	Anticancer, antimetabolite	
Carmoxirole		98323-83-2		i.		
carmustine	Urea, N,N'-bis(2-chloroethyl)-N-nitroso-	154-93-8			Formulation implant	Cancer hrain
Carnitine		461-06-3				
Caroverine		23465-76-1				
Caroxazone		18464-39-6				
Carphenazine		2622-30-2				
Carpipramine		5942-95-0				
carprofen	9H-Carbazole-2-acetic acid, 6-chloro- Alpha-methyl-, (+/-)- ICASI	53716-49-7	Sn	3896145	Anti-infammatory	
Carsalam		2037-95-8				
carteolol	2(1H)-Quinolinone, 5-{3-{(1,1,-dimethylethyl)amino}-2-hydroxypropoxy}-3.4-dihydro-, monohydrochloride (CAS)	51781-06-7 51781-21-6	Sn	3910924	Antihypertensive, adreneraic	Glaucoma
Carticaine		23964-58-1				
Carubicin		50935-04-1				
Carumonam		87638-04-8				
Carvacrol		499-75-2				
carvedilol	2-Propanol, 1-(9H-carbazol-4-yloxy)-3-[[2-(2-methoxyphenoxy)ethyl]amino]-[CAS]	72956-09-3	EP	4920	Antihypertensive, adrenergic	Hypertension, general

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
Carvone		99-49-0				
Cascarillin		10118-56-6				
	Pneumocandin B0, 1-((4R,5S)-5-((2-aminoethyl)amino)-N2-(10,12-dimethyl-1-oxotetradecyl)-4-hydroxy-L-ornithine)-5-(threo-3-hydroxy-L-ornithine)- diacetate	162808-62-0				
caspofungin	(salt) [CAS]		QV V	9421677	Antifungal	Infection, Aspergillus
Catechin		154-23-4				
cathepsin K inhibitors	N-(1-benzothien-2-ylcarbonyl)-N-[2-(2-fluorophenyl)-4-oxo-1,2,3,4-tetrahydropyrimidin-5-yl]-L-leucinamide		WO	9613523	Osteoporosis treatment	Osteoporosis
cathepsin S inhibitors	N-(1-benzothien-2-ylcarbonyl)-N-[2-(2- fluorophenyl)-4-oxo-1,2,3,4- tetrahydropyrimidin-5-yl]-L-leucinamide				Antiasthma	Asthma
CC-401			Sn	6342595	Immunosuppressant	Arthritis, rheumatoid
	Rapamycin 42-(3-hydroxy-2- (hydroxymethyl)-2-methylpropanoate)					
CCI-779	[CAS]	162635-04-3			Anticancer, antibiotic	Cancer, renal
CCR5 antagonists			QV QV	9732019	Antiviral, anti-HIV	Infection, HIV/AIDS
CDC-394			ns	634061	Anticancer, other	Cancer, myeloma
CDC-801			Sn	5605914	Gl inflammatory/bowel disorders	Crohn's disease
CEE-03-310	1H-3-Benzazepin-7-0I, 5-(2,3-dihydro-7-benzofuranyI)- 2,3,4,5,-tetrahydro-3-methyl-8-nitro, (5S)- [CAS]	128022-68-4	G)	347672	Dependence treatment	Addiction, alcohol
cefaclor	5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 7- [(aminophenylacetyl)amino]-3-chloro-8-oxo-, [6R-[6Alpha,718(R*)]]- [CAS]	53994-73-3 70356-03-5	GB	1461323	Cephalosporin, oral	Infection, Haemophilus influenzae prophylaxis
cefadroxii	5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 7-[[amino(4-hydroxyphenyl)acetyl]amino[-3-methyl-8-oxo-, [6R-[6Alpha,718(R*)]]- [CAS]	50370-12-2 66592-87-8	GB	1240687	Cephalosporin, oral	Infection, general
cefalexin	5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 7-[(aminophenylacetyl)amino]-3-methyl-8-oxo, [CAS]	105879-42-3 15686-71-2	Sn	4775751	Cephalosporin, oral	Infection, respiratory tract, upper

API Generic Name	API Chemical Name	CAS No.	Patent Reference	nce	Example of Therapeutic Use	Example of Indication
cefalexin pivoxil		27726-31-4			Cephalosporin, oral	Infection, general
cefamandole	7-D-mandelamido-3[[(1-methyl-1H-tefrazol-5-y))thio]methyl]-3-cephem-4-carboxylic acid	3444-01-4	US 3	3641021	Cephalosporin, injectable	Infection, general
cefatrizine	5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 7-{[amino(4-hydroxyphenyl)acetyl]amino]-8-oxo-3-{(1H-1,2,3-triazol-4-ylthio)methyl]-, [6R-[6Alpha,7ß(R*)]]- [CAS]	51627-14-6	GB 1	1460914	Cephalosporin, oral	Infection, general
Cefazedone		56187-47-4				
Cefazolin		25953-19-9				
Cefbuperazone		76610-84-9				
cefcapene pivoxil	78-{(Z)-2-(2-amino-4-thiazoly!)-2- pentenoylamino]-3-carbamoyloxymethyl-3- cephem-4-carboxylic acid, pivaloyloxymethyl ester HCl- [CAS]	105889-45-0 105889-46-1	GB 2	2173194	Cephalosporin, oral	Infection, respiratory tract, general
Cefclidin		105239-91-6				
cefdinir	5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 7-[[(2-amino-4-thiazolyl)(hydroxyimino)acetyljamino]-3-ethenyi-6-oxo-, [6R-[6Alpha,7/8/2)]]- [CAS] 91832-40-5		E -	105459	Gephalosporin, oral	Infection, dermatological
cefditoren pivoxil	5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 7-[[(2-amino-4-thiazolyl)(methoxyimino)acetyllamino]-3-[2-(4-methyl-5-thiazolyl)ethenyl]-8-oxo., (2,2-104145-95-1dimethyl-1-oxopropoxy)methyl ester, [6R-104146-53-4]		9 9	61178991	Cephalosporin, oral	Infection, general

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
cefepime	Pyrrolidinium, 1-[[7-[[(2-amino-4-thiazolyl)(methoxyimino)acetyl]amino]-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]-1-methyl-, hydroxide, inner salt, [6R-[6Alpha,78(2)]]- [CAS]	107648-80-6 123171-59-5 88040-23-7	EP	531981		Infection, respiratory tract,
Cefetamet		65052-63-3				
cefetamet pivoxil	5-Thia-1-azabicyclo[4.2 0]oct-2-ene-2-carboxylic acid, 7-[[(2-amino-4-thiazoly)](methoxyimino)acetyljamino]-3-methyl-8-oxo-, (2,2-dimethyl-1-oxopropoxy)methyl ester, monohydrochloride, [6R-[6Alpha,78(Z)]]-[CAS]	111696-23-2	GB	1581854	Cephalosporin, oral	Infection, general
cefixine	5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 7-[[(2-amino-4-thiazoly)][(carboxymethoxy)imino]acetyl]amino]-3-ethenyl-8-oxo-, [6R-[6Alpha,78(2)]]-[CAS]	79350-37-1	EP	30630	Cephalosporin, oral	Infection, general
cefmenoxime	5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 7-[[(2-amino-4-thiazoly])(methoxyimino)acetyljamino]-3-[[(1-methyl-1H-tetrazol-5-yl)ttio]methyl-8-65085-01-0oxo-, [6R-[6Alpha,7[6(2)]]-[CAS]		85	1536281	Cephalosporin, injectable	Infection, ocular
cefmetazole	5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 7- [[[[cyanomethy])thio]acety][amino]-7-methoxy-3-[[(1-methyl-1H-tetrazol-5-yl)thio]methyl]-8-oxo-, (6R-cis)- [CAS]	56796-20-4 56796-39-5	89	1449420	Cephalosporin, injectable	Infection, general
cefminox	5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 7-[[[(2-amino-2-carboxyethyl)thio]acetyl]amino]-7-methoxy-3-[[(1-methyl-1H-tetrazol-5-yl)thio]methyl]-8-oxo-, [6R-[6Alpha,7Alpha,7(S')]]- [CAS] 84305-41-9	84305-41-9	EP	24879	Cephalosporin, injectable	Infection, urinary tract

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API Generic Name	API Chemical Name	CAS No.	Refer	Reference	Example of Therapeutic Use	Example of Indication
cefodizime	5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 7-[[(2-amino-4-thiazolyl)(methoxymino)acetyljamino]-3-[[[5-(carboxymethyl)-4-methyl-2-thiazolyl]thio]methyl]-8-oxo- [6R-[6Alpha,7ß(2)]]- [CAS]	69739-16-8 86329-79-5	SN 4	4590267	Cephalosporin, injectable	Infection, respiratory tract, lower
cefonicid	5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2- carboxylic acid, 7- [(hydroxyphenylacetyl)amino]-8-oxo-3-[[[1- (sulfomethyl)-1H-tetrazol-5-yl]thio]methyl]-, 61270-78-8 disodium salt, [6R-[6Alpha,7]3(R*)]]- [CAS] 61270-58-4			1547473	Cephalosporin, injectable	Infection, general
cefoperazone	5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 7-[[[[(4-ethyl-2.3-dioxo-1-piperazinyl)carbonyl]amino][4-hydroxyphenyl)acetyl]amino]-3-[[(1-methyl-1H-tetrazol-5-yl)thio]methyl]-8-oxo-, [6R-[6Alpha,78(R*)]]- [CAS]	62893-19-0	GB	1508071	Cephalosporin, injectable	Infection, general
cefoperazone + sulbactam			NS 4	4234579	Antibiotic, other	Infection, general
Ceforanide		60925-61-3				
cefoselis	5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 7-{[(2-amino-4-thiazoly](methoxyimino)acetyl]amino]-3-[[[2,3-dihydro-2-(2-hydroxyethy])-3-imino-1H-pyrazol-1-y]]methy]-8-oxo-, [6R-(6Alpha,73(2))]	122841-12-7 122841-10-5	EP	307804	Cephalosporin, injectable	Infection, general
cefotaxime	rmino-4- xyimino)acetyljamino]ceph sodium salt		89	1580621	Cephalosporin, injectable	Infection, general
Cefotetan		69712-56-7				
cefotiam	5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 7-[[(2-amino-4-thiazoly)]acety]amino]-3-[[[1-12-(dimethylamino)ethyl]-1H-tetrazol-5-yl]thio]methyl]-8-oxo-, (6R-trans)- [CAS]	61622-34-2 66309-69-1	S)	4080498	Cephalosporin, injectable	Infection, general

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
cefotiam hexetil	1-(cyclohexyloxycarbonyloxy)ethyl 7ß-[2-(2-aminothiazol-4-yl)acetamido]-3-[[1-(2-dimethylaminoethyl)-1H-tetrazol-5-yl[thio]methyl]ceph-3-em-4-carboxylate 2HCI [CAS]	95789-30-3	g.	128029	Cephalosporin, oral	Infection, respiratory tract, lower
cefoxitin	5-Thia-1-azabicyclo(4.2.0)oct-2-ene-2-carboxylic acid, 3-(((aminocarbonyl)oxy)methyl)-7-methoxy-8-oxo-7-((2-thienylacetyl)amino)-,monosodium salt, (6R-cis)- [CAS]	33564-30-6 35607-66-0	GB	1348984	Cephalosporin, oral	Infection, general
cefozopran	Imidazo[1,2-b]pyridazinium, 1-[[7-[[(5-amino-1,2,4-thiadiazol-3-yl)(methoxyimino)acetyl]amino]-2-carboxy-8-oxo-5-thia-1-azabicyclo[4,2.0]oct-2-en-3-yl]methyl]-, hydroxide, inner salt, [6R-[6Apha,73(2)]]- [CAS]	113359-04-9	EP	203271	Cephalosporin, injectable	Infection, general
cefpimizole	Pyridinium, 1-[[2-carboxy-7-[[[[(5-carboxy-14-imidazol.4- yl)carbony[]amino]phenylacety[]amino]-8- oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3- yl]methyl]-4-(2-sulfoethyl)-, hydroxide, inner salt, [6R-{6Alpha,7R(R*)]- [CAS]	84880-03-5 85287-61-2	EP	60028	Cephalosporin, injectable	Infection, respiratory tract, general
cefpiramide	5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 7-[[[[4-hydroxy-6-methyl-3-pyridinyl)carbonyl]amino[[4-hydroxyphenyl)acely]amino]-3-[[(1-methyl-1H-tetrazol-5-yl)thio]methyl]-8-oxo-, [6R-[6Alpha,78(R*)]]- [CAS]	70797-11-4	Sn	4156724	Cephalosporin, injectable	Infection, general
aminame	5H-1-Pyrindinium, 1-[[7-[[(2-amino-4-thiazoly)](methoxyimino)acety]amino]-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-y][methyl]-6,7-dihydro-,hydroxide, inner salt, [6R-lish-hydroxide, inner salt, [6R-lish-hydroxi	84957-29-9 08753-10-6	Ü	64740	Canhalocnorin injantahla	Infection, respiratory tract,
Cefpodoxime Proxetil	[500] [[7]	87239-81-4	Ī	2	Ochigospoint, injectable	

API Gen ric Name	API Chemical Name	CAS No.	Patent Referer	Patent Reference	Example of Therapeutic Use	Example of Indication
cefprozil	5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 7-[[amino(4-hydroxyphenyl)acety]amino]-8-oxo-3-(1-propenyl)-, [6R-[6Alpha,718(R*)]]- [CAS]	92665-29-7 121123-17-9	GB	2173798	Cephalosporin, oral	Infection, dermatological
cefroxadine	5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 7-{[amino-1,4-cyclohexadien-1-ylacety]}amino]-3-methoxy-8-oxo-, [6R-[6Alpha,78(R*)]]-[CAS]	51762-05-1	GB	1435111	Cephalosporin, oral	Infection, general
cefsulodin	Pyridinium, 4-(aminocarbonyl)-1-[[2-carboxy-8-oxo-7- ([phenylsulfoacety]amino]-5-thia-1- azabicyclo[4.2.0]oct-2-en-3-yl]methyl]-, hydroxide, inner salt, [6R-[6Alpha,7B(R*)]]- 52152-93-9 [CAS]		GB	1387656	Cephalosporin, injectable	Infection, pseudomonal
ceftazidime	Pyridinium, 1-[[7-[(2-amino-4-thiazoly)]((1-carboxy-1-methylethoxy)iminojacety]aminoj-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-y]methyl]-, hydroxide, inner salt, [6R-[6Alpha,78(2)]]-[CAS]	72558-82-8	GB	2025398	Cephalosporin, injectable	Infection, respiratory tract, upper
Cefteram Ceftezole		82547-58-8 26973-24-0				
ceftibuten	5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 7-[[2-(2-amino-4-thiazolyl)-4-carboxy-1-oxo-2-butenyl]amino]-8-oxo-,[6R-[6Alpha,7B(Z)]]- [CAS]	97519-39-6	a	136721	Cephalosporin, oral	Infection, raspiratory tract, lower
ceftizoxime	5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 7-[[(2-amino-4-thiazoly])(methoxyimino)acetyl]amino]-8-oxo-, [6R-[6Alpha,73(Z)]]- [CAS]	68401-81-0 68401-82-1	GB	1600735	Cephalosporin, injectable	Infection, general

API Generic Name	API Chemical Name	CAS No.	Patent Reference	Example of Therapeutic Use	Example of Indication
ceftizoxime alapivoxil	5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 7-[[[2-[(2-amino-1-oxopropyl)amino]-4-thiazolyl](methoxyimino)acetyl]amino]-8-oxo-, (2,2-dimethyl-1-oxopropoxy)methyl ester, monohydrochloride, [6R-[6Alpha,78(Z(S*))]]-[CAS]	113812-94-5 135767-36-1	JP 62209112	Cephalosporin, oral	Infection, general
ceftriaxone	5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 7-[[(2-amino-4-thiazoby)](methoxyimino)acety][amino]-8-oxo-3-[[(1,2,5,6-tetrahydro-2-methyl-5,6-dioxo-1,2,4-triazin-3-y])thio]methyl]-, [6R-[6Alpha,78(2)]]- [CAS]	73384-59-5 74578-69-1	GB 2022090	Cephalosporin, injectable	Infection, respiratory tract, lower
cefuroxime axetil	5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 3- [[[aminocarbonyl)oxy]methyl]-7-[[2-furanyl(methoxylmino)acetyl]amino]-8-oxo-, 1-(acetyloxy)ethyl ester, [6R-	15686-71-2 64544-07-6	GB 1571683	Cephalosporin, oral	Infection, respiratory tract, upper
cefuroxime	5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2- carboxylic acid, 3- [[(aminocarbonyl)oxy]methyl]-7-[[2- furanyl(methoxyimino)acetyljamino]-8-oxo-55268-75-2 furanyl(methoxyimino)acetyljamino]-8-oxo-55288-75-2 56238-63-2	-	GB 1453049	Cephalosporin, injectable	Infection, general
Celecoxib	Benzenesulfonamide, 4-(5-(4-methylphenyl)-3-(trifluoromethyl)-1H-pyrazol-1-yl)- [CAS]		US 5760068	Antiarthritic, other	Arthritis, rheumatoid
celgosivir	Butanoic acid, octahydro-1,7,8-trihydroxy-6-indolizinyl ester, [1S-(1Alpha,68,7Alpha,88,8a8)]- [CAS]	121104-96-9	US 5017563	Antiviral, other	Infection, hepatitis virus, general
celiprolol Cellulose Ethyl Hydroxyethyl Ether	Urea, N'-[3-aœtyl-4-[3-[(1,1-dinethylethyl)aminol-2-hydroxypropoxy]phenyl]-N,N-diethyl- [CAS]57470-78-7		GB 1441359	Antihypertensive, adrenergic	Angina, unstable

API Generic Name	API Chemical Name	CAS No.	Patent Reference	nce	Example of Therapeutic Use	Example of Indication
Centchroman		31477-60-8	-			
CEP-1347	9,12-Epoxy-1H-diindolo[1,2,3-fg;3;2,1'-kl]pyrrolo[3,4-i][1,6]benzodiazodiazodine-10-carboxylic acid, 5,16-bis((ethylthio)methyl)-2,3,9,10,11,12-hexahydro-10-hydroxy-9-methyl-1-oxo-, methyl ester, (9S,10R,12R)-[CAS]	156177-65-0	76 OM	9731002	Antiparkinsonian	Parkinson's disease
	9,12-Epoxy-1H-diindolo[1,2,3-f9:3,2,1'-kl]pyrrolo[3,4-i][1,6]benzodiazocin-1-one, 2,3,9,10,11,12-hexahydro-10-hydroxy-10-(hydroxymethyl)-9-methyl. (95,10S,12R)-				:	
CEP-701	[CAS]	111358-88-4	-		Anticancer, antimetabolite	Cancer, prostate
Cephacetrile		23239-41-0	\dashv			
Cephaeline		483-17-0				
Cephalexin		15686-71-2				
Cephaloglycin		3577-1-3				
Cephaloridine		50-59-9				
Cephalosporin C		61-24-5				
Cephalothin		153-61-7				
Cephapirin		24356-60-3	_			
Cephradine		38821-53-3	_			
Cerivastatin		145599-86-6				
Ceronapril		111223-26-8				
certoparin	Heparin [CAS]	9005-49-6			Anticoagulant	Thrombosis, venous
Ceruletide		17650-98-5				
	Prosta-5,13-dien-1-oic acid, 11,15-dihydroxy-9-oxo-, (5Z 11Alpha,13E,-15S)-					
Cerviprost	[CAS]	363-24-6			Formulation, dermal, topical	
Cetalkonium		122-18-9				
Cetamolol		34919-98-7				
Cethexonium		1794-74-7				

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
	24-Oxacyclotetradecino(4,3-d)oxazole-2,6,8,14(1H,7H,9H)-tetrone 4-ethyloctahydro-3a,7,9,11,13,15-hexamethyl-11-((3-(3-quinolinyl)-2-propenyl)oxy)-10-((3,4,6-trideoxy-3-dimethylamino)-8-D-xylo-hexapyranosyl)oxy)-((3a,6-trideoxy-3-dimethylamino)-8-D-xylo-hexapyranosyl)oxy)-((3a,6-trideoxy-3-dimethylamino)-8-D-xylo-dimethylamino-8-D-xylo-dimethylamino-8					
cethromycin	[CAS]	205110-48-1	品	929563	Macrolide antibiotic	general
Cetiedil		14176-10-4				
Cetirizine		83881-51-0				
cetirizine	Acetic acid, [2-[4-[(4- chlorophenyl)phenylmethyl]-1- piperazinyl]ethoxy]-, [CAS]	83881-51-0 83881-52-1	品	58146	Antiallergic, non-asthma	Allergy, general
	Acetic acid, [2-14-[(4- chlorophenyl)phenylmethyl]-1- piperazinyl]ethoxy]-, dihyrochloride, Benzenemethanol, Alpha-[1-					
cetirizine+pseudoephedrine	(methylamino)ethyl]-, hydrochloride, [S- (R*R*)]-	83881-52-1 90-82-4			Formulation, optimized, microencapsulate	Allergy, general
Cetotiamine		137-76-8				
Cetoxime		25394-78-9				
cefraxate	Benzenepropanoic acid, 4-[[[4- (aminomethyl)cyclohexyl]carbonyl]oxy]-, trans-[CAS]	27724-96-5 34675-84-8	굡	48075547	Antiulcer	
Cetrimonium		57-09-0				
Cetrorelix		120287-85-6				
C tyldimethylethylamm onium		124-03-8				
Cetylpyridinium		123-03-5				
cevimeline	Spiro[1-azabicyclo[2.2.2]octane-3,5- [1,3]oxathiolane], 2-methyl-, cis- [CAS]	107220-27-9 107233-08-9	品	205247	Stomatological	Sjogren's syndrome
	7-phenyl-2,4,6-heptatrienoylhydroxamic acid					
CG-1521					Anticancer, other	Cancer, general
Chaulmoogric Acid	The state of the s	29106-32-9	_			
Chenodiol		474-25-9				

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API G neric Name	API Chemical Name	CAS No	Reference	9000	Example of Therapeutic Use	Example of Indication
CHF-3381			E G	951465	Analgesic, other	Pain, neuropathic
Chlophedianol		791-35-5				
Chloracizine		800-22-6				
		302-17-0 2218 68-0				
chloral	1,1-Ethanediol, 2,2,2-trichloro- [CAS]	515-82-2			Formulation, transmucosal, systemic	Insomnia
Chlorambucil		305-03-3				
Chloramine-B		127-52-6				
Chloramine-T		127-65-1				
Chloraminophenamide		121-30-2				
Chloramphenicol		56-75-7				
Chlorazanil		500-42-5				
Chlorbenzoxamine		522-18-9				
Chlorbetamide		97-27-8				
Chlorcyclizine		82-93-9				
Chlordantoin		5588-20-5				
Chlordiazepoxide		58-25-3				
Chlorguanide		500-92-5				
Chlorhexadol		3563-58-4				
: :	2,4,11,13- Tetraazatetradecanediimidamide, N,N"-					
chlorhexidine	bis(4-chlorophenyl)-3,12-diimino- [CAS]	55-56-1			Formulation, other	Xerostomia, Periodontitis
Chlorisondamine		69-27-2				
Chloringuinone		302-22-1				
Chlormezanone		80-77-3				
Chlormidazole		3689-76-7				
Chlornaphazine		494-03-1				
Chloroazodin		502-98-7				
Chlorophyll		1406-65-1				
Chloroprednisone		52080-57-6				
Chloroprocaine	The state of the s	3858-89-7				
Chloropyramine		59-32-5				

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API Generic Name	API Chemical Name	CAS NO.	Kererence	Example of Therapeutic Use	Example of Indication
Chloroquine		54-05-7			
Chlorothen		148-65-2			
Chlorothiazide		58-94-6			
Chlorotrianisene		569-57-3			
Chloroxine		773-76-2			
Chloroxylenol		88-04-0			
Chlorozotocin		54749-90-5			
chlorohenamine	2-Pyridinepropanamine, Gamma-(4-	132-22-9		Formulation modified-release other	Allerov neperal
Chlorohenesin		104-29-0			,
		886-74-8			
Chlorpheniramine		132-22-9			
Chlorphenoxamide		3576-64-5		:	
Chlorphenoxamine		77-38-3			
Chlorphentermine		461-78-9			
Chlorproethazine		84-01-5			
Chlorproguanil		537-21-3			
	4,4'-Sulfonyldianiline + 1-(3,4-	0.70			
chlorproguanil + dapsone	Ucniaropnenyi)5-isopropyibiguaniae	537-21-3 80-08-0		Antimalarial	Infection, malaria
Chlorpromazine		50-53-3			
Chlorpropamide		94-20-2			
Chlorprothixene		113-59-7			
Chlorquinaldol		72-80-0			
Chlortetracycline		57-62-5			
Chlorthalidone		77-36-1			
Chlorthenoxazin(e)		132-89-8			
Chlorzoxazone		95-25-0	-		
Cholic Acid		81-25-4			
Choline		67-48-1			
		2016-36-6			
		6-11-61697			

API Generic Name	API Chemical Name	CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
choline theophyllinate	Ethanaminium, 2-hydroxy-N.N.N-trimethyl-, salt with 3,7-dihydro-1,3-dimethyl-1H-purine-2,6-dione (1:1) [CAS]	4499-40-5			Formulation, modified-release, other	
choline-L-alfoscerate	Ethanaminium, 2-[[(2,3-dihydroxyphosphinyl]oxy]-N,N,N-trimethyl-, hydroxide, inner salt, (R)-[CAS]	28319-77-9	<u>e</u>	55028955	Cognition enhancer	Amnesia
Chromocarb		4940-39-0				
Chromonar		804-10-4				
Chrysoidine		532-82-1				
CHS-828	Guanidine, N-[6-(4-chlorophenoxy)hexyl]- N-cyano-N"-4-pyridinyl- [CAS]	200484-11-3	SN	5696140	Anticancer, other	Cancer, general
Cl-1031	Glycine, N-[2-[5-(aminoiminomethyl)-2-hydroxyphenoxy]-6-[3-(4,5-dihydro-1-methyl-1H-imidazol-2-yl)phenoxy]-3,5-difluoro-4-pyridinyl]-N-methyl- [CAS]	183305-24-0	WO	9638421	Antianginal	Angina, unstable
CI-1040	Benzamide, 2-[(2-chloro-4-iodophenyl)amino]-N-(cyclopropylmethoxy) 3,4-difluoro- [CAS]	212631-79-3	WO	9837881	Anticancer, other	Cancer, general
cibenzoline	1H-Imidazole, 2-(2,2-diphenylcyclopropyl)- 4,5-dihydro- [CAS]	53267-01-9	89	1417174	Antiarrhythmic	Arrhythmia, general
ciclesonide	Pregna-1,4-diene-3,20-dione 16,17- ((cyclohexylmethylene)bis(oxy))-11- hydroxy-21-(2-methyl-1-oxopropoxy) (118,16Alpha) [CAS]	126544-47-6	DE	4129535	Antiasthma	Asthma
cicletanine	Furo[3,4-c]pyridin-7-ol, 3-(4-chlorophenyl)- 82747-56-6 1,3-dihydro-6-methyl-, (+/-)- [CAS]	82747-56-6 89943-82-8	SN	4383998	Antihypertensive, other	
ciclonicate	3-Pyridinecarboxylic acid, 3,3,5- trimethylcyclohexyl ester, trans- [CAS]	53449-58-4	DE	1910481	Vasodilator, peripheral	Cancer, lung, small cell
ciclopirox	2(1H)-Pyridinone, 6-cyclohexyl-1-hydroxy- 41621-49-2 4-methyl-, [CAS] 29342-05-0	41621-49-2 29342-05-0	Sn	3883545	Antifungal	Infection, fungal, general
Ciclosidomine		66564-16-7				

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API Generic Name	API Chemical Name	CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
ciclosporin A	Cyclosporin A- [CAS]	59865-13-3			Formulation, optimized, microemulsion Transplant rejection, general	Transplant rejection, general
cidofovir	Phosphonic acid, [[2-(4-amino-2-oxo-1(2H)-pyrimidinyl)-1-(hydroxymethyl)ethoxy]methyl]-, (S)- [CAS]113852-37-2		П	253412	Antiviral, other	Infection, cytomegalovirus
Cifenline		53267-01-9				
cilansetron	4H-Pyrido(3,2,1-jk)carbazol-11(8H)-one, 5,6,9,10-tetrahydro-10-[(2-methyl-1H-imidazol-1-yl)methyl], (R)- [CAS]	120635-74-7	en en	297651	Gl inflammatory/bowel disorders	Irritable bowel syndrome
Cilastatin		82009-34-5				THE PERSON NAMED IN COLUMN 1
cilazapril	6H-Pyridazino[1,2-a][1,2]diazepine-1- carboxylic acid, 9-[[1-(ethoxycarbonyl)-3- phenylpropyljamino]octahydro-10-oxo-, [1S-[1A]pha,9Alpha(R*)]]- [CAS]	88768-40-5 90139-06-3	89	2128984	Antihypertensive, renin system	Hypertension, general
cilengitide	Cyclo(L-arginylglycyl-L-Alpha-aspartyl-D-phenylalanyl-N-methyl-L-valyl) [CAS]	188968-51-6	8.	770622	Anticancer, other	Cancer, lung, non-small cell
cilnidipine	3,5-Pyridinedicarboxylic acid, 1,4-dihydro-2,6-dimethyl-4-(3-nitrophenyl)-, 2-methoxyethyl 3-phenyl-2-propenyl ester-[CAS]	102106-21-8 132203-70-4	£	161877	Antihypertensive, other	Hypertension, general
	Cis-4-cyano-4-[3-(cyclopentyloxy)-4- methoxypheny]cyclohexane-1-carboxylic acid					Chronic obstructive oulmonary
cilomilast		153259-65-5	Sn	5602157	COPD treatment	disease
cilostazol	2(1H)-Quinolinone, 6-[4-(1-cyclohexyl-1H-tetrazol-5-yl)butoxyJ-3,4-dihydro-[CAS]	73963-72-1		2033893	Antithrombotic	Peripheral vascular disease
Cimetidine		51481-61-9				
cimetropium	3-Oxa-9-azoniatricyclo[3.3.1.02,4]nonane, 9-(cyclopropylmethyl)-7-(3-hydroxy-1-oxo-2-phenylpropoxy)-9-methyl-, [7(S)-(1Alpha,28,48,5Alpha,78)]-[CAS]	51598-60-8	SN	3853886	Antispasmodic	Muscle spasm, general
cinacalcet	1-napthalenemethanamine,Alpha-methyl- N-[3-[3-(trifluoromethyl)phenyl]propyl]-, (AlphaR)-,	364782-34-3			Hormone	Hyperparathyroidism

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API Generic Name	API Chemical Name	CAS No.	Kele	Reference	Example of Therapeutic Use	Example of Indication
Cinchonidine		485-71-2				
Cinchonine		118-10-5				
Cinchophen		132-60-5				
Cinepazet		23887-41-4				
Cinepazide		23887-46-9				
	Piperazine, 1-[2-oxo-2-(1-pyrrolidinyl)ethyl].					
cinepazide	ASJ	26328-04-1	GB	1218591	Vasodilator, peripheral	Peripheral vascular disease
Cinitapride		66564-14-5				
Cinmetacin		20168-99-4				
Cinnamedrine		8-98-06				
Cinnarizine		298-57-7				
	1H-1,4-Benzodiazepine-1-propanenitrile, 7- chloro-5-(2-fluorophenyl)-2,3-dihydro-3-					
cinolazepam	hydroxy-2-oxo- [CAS]	75696-02-5	핌	2950235	Hypnotic/Sedative	Insomnia
cinoxacin	[1,3]Dioxolo[4,5-g]cinnoline-3-carboxylic acid 1-ethvl-1 4-dibydro-4-oxo-[CAS]	28657-80-9	æ	1296753	Ouinolone antibacterial	Infection uninary fract
Cinoxate		104-28-9	3			and family horse
Cinromide		58473-74-8				
Cioteronel		89672-11-7				
cipamfylline	1H-Purine-2,6-dione, 8-amino-1,3-bis(cyclopropylmethyl)-3,7-dibydro-1CAS1 132210-43-6	132210-43-6	9	389282	Antincuriic/inflamm alleroic	Fczema atopic
cipralisant	1H-Imidazole, 4-[(1R,2R)-2-(5,5-dimethyl-1-hexynyl)cyclopropylj- [CAS]	213027-19-1	Sn	6008240	Psychostimulant	Attention deficit disorder
ciprofibrate	Propanoic acid, 2-[4-(2,2-dichlorocyclopropyl)phenoxy]-2-methyl-[CAS]	52214-84-3	89	1385828	Hypolipaemic/Antiatherosclerosis	Hyperlipidaemia, general
ciprofloxacin	3-Quinolinecarboxylic acid, 1-cyclopropyl-6 fluoro-1,4-dihydro-4-oxo-7-(1-piperazinyl)- [CAS]	85721-33-1	SN	4670444	Quinolone antibacterial	Infection, general
ciprofloxacin	rluoro-1,4-dinydro-4-0xo-7-(1-piperaziny))- [CAS]	85721-33-1		4670444	Quinolone	antibacterial

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API Generic Name	API Chemical Name	CAS No.	Patent Referer	Patent Reference	Example of Therapeutic Use	Example of Indication
	3-Quinolinecarboxylic acid, 1-cyclopropyl-6 fluoro-1,4-dihydro-4-oxo-7-(1-piperazinyl)-+ (6Alpha, 118, 16Alpha)-6,9-Difluoro-11,21-dihydroxy-16,17-[(1-methylethylidene)bis-(oxy)]-pregna-1,4-diene-3,20-dione					
ciprofloxacin+fluocinolone,SAL					Formulation, fixed-dose combinations	Otitis
Ciramadol		63269-31-8				
cisapride	Benzamide, 4-amino-5-chloro-N-[1-[3-(4-fluorophenoxy)propyl]-3-methoxy-4-piperidinyl]-2-methoxy-, cis- [CAS]	81098-60-4	EP	76530	Gastroprokinetic	
	Isoquinolinium, 2,2'-[1,5- pentanediylbis[oxy(3-oxo-3,1- propanediyl)]]bis[1-[(3,4- dimethoxyphenyl)methyl]]-1,2,3,4-					
cisatracurium	tetranydro-b, / -dimethoxy-2-methyl-, [1K- [1Alpha,2Alpha(1'R*,2'R*)]]-, [CAS]	96946-42-8	ns	5453510	Muscle relaxant	Surgery adjunct
cisplatin	Platinum, diamminedichloro-, (SP-4-2)- [CAS]	15663-27-1	SN	4177263	Anticancer, alkylating	
citalopram	5-Isobenzofurancarbonitrile, 1-[3- (dimethylamino)propyl]-1-(4-fluorophenyl)- 59729-32-7 1,3-dihydro- [CAS]	59729-32-7 59729-33-8	GB	1526331	Antidepressant	Depression, general
citicoline	Cytidine 5-(trihydrogen diphosphate), P'-[2 (trimethylammonio)ethyl]ester, hydroxide, inner salt [CAS]	987-78-0	마	39006541	Cognition enhancer	Infarction, cerebral
Citiolone		1195-16-0				
Citric Acid		77-92-9				
Citrulline		372-75-8				
cizolirtine	Ethanamine, N.N-dimethyl-2-[(1-methyl-1H-pyrazol-5-yl)phenylmethoxy]-, 2-hydroxy-1,2,3-propanetricarboxylate [CAS]	142155-44-0			Urological	Incontinence
CJ-13610	4-(3-[4-(2-Methyl-imidazol-1-yl)- phenylsulfanyl]-phenyl)-tetrahydro-pyran-4- carboxylic acid amide				COPD treatment	Chronic obstructive pulmonary disease

API Generic Name	API Chemical Name	CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
CKD-602	1H-Pyrano[3',4':6,7]indolizino[1,2-b]quinoline-3,14(4H,12H)-dione, 4-ethyl-4-hydroxy-11-[2-[(1-methylethyl)amino]ethyl], monohydrochloride, (4S)- [CAS]	213819-48-8	ow g	9902530	Anticancer, other	Cancer, ovarian
cladribine	Adenosine, 2-chloro-2'-deoxy- [CAS]	4291-63-8	<u>.</u>	173059	Anticancer, antimetabolite	Cancer, leukaemia, hairy cell
Clanobutin		30544-61-7				
clarithromycin	Erythromycin, 6-O-methyl- [CAS]	81103-11-9	EP ,	41355	Macrolide antibiotic	Infection, respiratory tract, lower
Clavulanate, Disodium						
Clavulanic Acid		58001-44-8				
Clebopride		55905-53-8				
Clemastine		15686-51-8				
Cl mizol		442-52-4				
Clenbuterol		37148-27-9				
Clentiazem		96125-53-0				
	3,5-Pyridinedicarboxylic acid, 4-(2,3-dichlorophenyl)-1,4-dihydro-2,6-dimethyl-, methyl, 1,5-xopurthyl actor (±)					
clevidipine	[CAS]	167221-71-8	8	9512578	Antihypertensive, other	Hypertension, general
	2,4(1H,3H)-Pyrimidinedione, 1-(2-deoxy-2-fluoro-ß-L-arabinofuranosyl)-5-methyl-					
clevudine	[CAS]	163252-36-6			Antiviral, other	Infection, hepatitis-B virus
Clidanac		28968-07-2				
Clidinium		3485-62-9				
Clinafloxacin		105956-97-6				
Clindamycin		18323-44-9				
	L-threo-Alpha-D-galacto-Octopyranoside, methyl 7-chloro-6,7,8-trideoxy-6-[[(1-					
	methyl-4-propyl-2-					
	trans)- + retinoic acid					
clindamycin + tretinoin					Formulation, fixed-dose combinations	Acne

API Generic Name	API Chemical Name	CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
clindamycin	L-Threo-Alpha-D-galacto-octopyranoside, methyl 7-chloro-6,7,8-trideoxy-6-[[(1-methyl-4-propyl-2-pyrrolidinyl)carbonyl]amino]-1-thio-, 2-(dihydrogen phosphate), (2S-trans)-	18323.44-9 24729-96-2			Formulation parenteral other	Infection avnaecological
Clinofibrate		30299-08-2				
Clinprost		88931-51-5				
ciobazam	1H-1,5-Benzodiazepine-2,4(3H,5H)-dione, 7-chloro-1-methyl-5-phenyl- [CAS]	22316-47-8	89	1214662	Anxiolytic	
Clobenfurol		3611-72-1				
Clobenoside		29899-95-4				
Clobenzepam		1159-93-9				
Clobenzorex		13364-32-4				
Clobenztropine		5627-46-3				
	Pregna-1,4-diene-3,20-dione, 21-chloro-9-fluoro-11,17-dihydroxy-16-methyl-,					
clobetasol	(11ß,16ß)- [CAS]	25122-41-2			Formulation, dermal, topical	Psoriasis
	Pregna-1,4-diene-3,11,20-trione, 21-					
clobetasone	chloro-9-fluoro-16-methyl-17-(1- oxobutoxy)- (16ß)- ICASI	25122-57-0 54063-32-0	89	1253831	Antioruritic/inflamm_alleroic	
Clobutinol		14860-49-2	$\overline{}$			
Clocapramine		47739-98-0				
Clocinizine		298-55-5				
Cloconazole		77175-51-0				
Clocortolone		4828-27-7				
clodronate	Phosphonic acid, (dichloromethylene)bis- [CAS]	22560-50-5			Osteoporosis treatment, Anticancer, hormonal	Pain, cancer, Hypercalcaemia of malignancy
Clodronic Acid		10596-23-3				
clofarabine	2-chloro-9-(2-deoxy-2-fluoro-ß-D- arabinofurasonyl)adenine				Anticancer, antimetabolite	Cancer, leukaemia, chronic lymphocytic
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API Generic Name	API Chemical Name	CAS No.	Patent Reference	,	Example of Therapeutic Use	Example of Indication
	3-(p-chloroanilo)-10-(p-chlorophenyl)-2,10-					
clofazimine	uniyaro-z-(isopropyimino)-prienazme	2030-63-9		<u></u>	r ormulation, optimized, microencapsulate	Infection, tuberculosis
Clofenamide		671-95-4				
Clofibrat		637-07-0				
Clofibric Acid		882-09-7				
Cloflucarban		369-77-7				
Clofoctol		37693-01-9				
Cloforex		14261-75-7				
Clomacran		5310-55-4				
Clomestrone		4091-75-2				
Clometacin		25803-14-9				
Clomethiazole		533-45-9				
Clometocillin		1926-49-4				
Clomiphene		911-45-5				
Clomipramine		303-49-1				
Clomocycline		1181-54-0				
clonazepam	2H-1,4-Benzodiazepin-2-one, 5-(2-chlorophenyl)-1,3-dihydro-7-nitro- [CAS]	1622-61-3	US 4316897		Antiepileptic	Eoileosy, general
acitico					delegation of society	
Clonitazono	נסרטן -סיטעיייט-טיר (יעייסיוקטיסיייטיט	ц		T	rollination, nansaethia, pater	nypertension, general
Clonitrate		2612-33-1				
Clonixin		17737-65-4		†		
Clopamid		636-54-4				
Clopenthixol		982-24-1				
Cloperastine		3703-76-2				
	Thieno[3,2-c]pyridine-5(4H)-acetic acid,	120202-48-4				
Clopidogref	Alpna-(z-cnloropnenyl)-5,/-dinydro-, methyl ester (S)- [CAS]	90055-48-4 113665-84-2	FP 00802		Antithrombotic	Infarction mycoardial
Clopirac						
Cloprednoi		5251-34-3				
cloranolol	2-Propanol, 1-(2,5-dichlorophenoxy)-3- [(1,1-dimethylethyl)aminol- ICAS]	39563-28-5 54247-25-5	US 4310549		Antihypertensive adrenergic	
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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
Clorazepic Acid		23887-31-2				
Clorexolone		2127-1-7				
cloricromene	Acetic acid, [[8-chloro-3-[2- (diethylamino)ethy]]-4-methyl-2-oxo-2H-1- benzopyran-7-viloxy1-, ethyl ester ICAS]	68206-94-0	ns Ns	4349566	Vasodilator, coronary	Peripheral vascular disease
Clorindione		1146-99-2				
Clorprenaline		3811-25-4				
Clort rmine		10389-73-8				
Clospirazine		24527-27-3				
Clostebol		1093-58-9				
Clothiapine		2058-52-8				
	2H-Thieno[2,3-e]-1,4-diazepin-2-one, 5-(2-					
clotiazepam	cnloropnenyı)-/-etnyı-ı, 3-ainyaro-ı-metnyı- [CAS]	33671-46-4	SN	3849405	Anxiolytic	Anxiety, general
riotrimazole	1-[(2-chlorophenyl)diphenylmethyl]-1H- imidazole	22502.75.1	<u>u</u>	3705172	Antifinas	
CIOCIIIII az ole	HINDEROIG	20000-1	3	2110010	All life in gal	
	Pregna-1,4-diene-3,20-dione, 9-fluoro-11- hydroxy-16-methyl-17,21-bis(1-					
	oxopropoxy)-, (118,16ß)-, mixt. with 1-[(2-					
:	chlorophenyl)diphenylmethyl]-1H-					
clotrimazole + betamethasone	imidazole [CAS]	92522-91-3			Formulation, fixed-dose combinations	Infection, fungal, general
Cloxacillin		61-72-3				
	Oxazolo[3,2-d][1,4]benzodiazepin-6(5H)-					
cloxazolam	2,3,7,11b-tetrahydro- [CAS]	24166-13-0	ns	3772371	Anxiolytic	
Cloxotestosterone		53608-96-1				
Cloxyquin		130-16-5				
clozapine	5H-Dibenzo[b,e][1,4]diazepine, 8-chloro-11-(4-methyl-1-piperazinyl)- [CAS]	5786-21-0	S	3539573	Neuroleptic	Schizophrenia
	Trans-2-[3-methoxy-4-(2-p-chlorophenylthio)ethoxy-5-(N'-methyl-N'-hydroxyureidyl)methylphenyl]-5-(3.4,5-trimethoxohenyl)letrahdrofnian					
CMI-392		193739-23-0	S	5648486	Antipsoriasis	Psoriasis

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Ari Generic Name	API Chemical Name	CAO NO.	Kele	rence	Example of Therapeutic Use	Example of Indication
	2-Naphthacenecarboxamide,					
	1,4,4a,5,5a,6,11,12a-octanydro-					
	3,10,12,12a-tetrahydroxy-1,11-dioxo-,					
CMT-3	(4aS,5aR,12aS)- [CAS]	15866-90-7	S	5837696	Anticancer, other	Cancer, sarcoma, Kaposi's
	Decanediamide, N,N'-bis[3,5-bis[1-					
	[(aminoiminomethyl)hydrazono]ethyl]phen					_
CNI-1493	yl]-, tetrahydrochloride [CAS]	164301-51-3	S	5750573	Anti-inflammatory	Psoriasis
	N'-[2-chloro-5-(methylthio)phenyl]-N-					
	methyl-N-I3-(methylthio)phenyllguanidine					
CNS-5161	[CAS]	160754-76-7	Q _M	9427591	Analgesic, other	Pain, neuropathic
Cobamamide		13870-90-1				
Cocaethylene		529-38-4				
Cocaine		50-36-2				
Codeine		76-57-3				
		52-28-8	_			
	5 10 methylene - tetrahydrofolate					
CoFactor					Anticancer, antimetabolite	Cancer, colorectal
Colchicine		64-86-8				
			T			
	1-Hexanaminium, N.N.N-trimetnyl-6-(2-					
	propenylamino)-, polymer with					
	(chloromethyl)oxirane, 2-propen-1-amine					
	and N-2-propenyl-1-decanamine,					
colesevelam	hydrochloride [CAS]	182815-44-7	S	5607669	Hypolipaemic/Antiatherosclerosis	Hyperlipidaemia, general
	1H-Imidazole, 2-methyl-, polymer with					
colestilan	(chloromethyl)oxirane [CAS]	95522-45-5	<u></u>	59155421	Hypolipaemic/Antiatherosclerosis	Hypercholesterolaemia
Colestipol		26658-42-4				
	6-(3-dimethylaminopropionyl)forskolin-					
colforsin daropate	[CAS]	138605-00-2	FP	222413	Cardiostimulant	Heart failure
	3,5,9-Trioxa-4-phosphapentacosan-1-					
	arminum, 4-nyaroxy-iv,iv,iv-trimetryi-10-	0000				
:	oxo-/-[(I-oxoriexadecyi)oxy]-, ilydroxide,	03-68-8				Respiratory distress syndrome.
coltoscerii	inner salt, 4-oxide, (R)- [CAS]	99732-49-7	SD.	4826821	Lung Surfactant	ınfant
Collagraft		138331-02-9			Formulation, implant	Regeneration, bone
Colocynthin		1398-78-3				
Colpormon		1247-71-8				

API Generic Name	API Chemical Name	CAS No.	Patent	Patent Reference	Example of Therapeutic Use	Example of Indication
	1-Pyrrolidineacetamide, 2-oxo-N-(5,6,7,8-tetrahydro-2,3-dimethylfurof2,3-blguinolin-					
coluracetam	4-yl)- [CAS]	135463-81-9	급	427636	Cognition enhancer	Alzheimer's disease
combretastatin A-4 prodrug	disodium combretastatin-A-4-3-0- phosphate				Anticancer other	Cancer thyroid
compound B, Pharmacor			Sn	6362165	Antiviral, anti-HIV	Infection, HIV/AIDS
	[1,1'-Biphenyl]-2-carboxamide, N-[4-[(4,5-dihydro-2-methylimidazo[4,5-d][1-benzazepin-6(1H)-yl)carbonyl]phenyl]-,					
conivaptin	[CAS]	168626-94-6	8	9503305	GI inflammatory/bowel disorders	Hyponatraemia
Connettivina	Hyaluronic acid [CAS]	9004-61-9			Vulnerary	
Convallatoxin		508-75-8				
Coparaffinate		8001-60-3				
Corticorelin Ovine						
Triflutate				i		
Corticosterone		50-22-6				
Cortisone		53-06-5				
Cortivazol		1110-40-3				
Cosyntropin		16960-16-0				
Cotarnine		82-54-2				
Cotinine		486-56-6				
	Benzenesulfonamide, 4-amino-N-2- pyrimidinyl-, mixt, with 5-[(3,4,5- trimethoxyphenyl)methyl]-2,4-					
co-trimazine	pyrimidinediamine [CAS]	39474-58-3			Trimethoprim and analogues	Infection, urinary tract
Coumetarol		4366-18-1				
	1H-Indene-3-acetamide, 5-fluoro-2-methyl-N-(phenylmethyl)-1-[(3,4,5-trimethoxyphenyl)methylene]. (1Z)-					
CP-248	[CAS]	200803-37-8	8	9747303	Anticancer, other	Barrett's oesophagus
CP-461			Sn	5948779	Anticancer, other	Cancer, prostate
CPC-211	Acetic acid, dichloro-, sodium salt [CAS]	2156-56-1			Neuroprotective	Acidosis, lactic
CPI-1189	CPI 1189 [CAS]	210475-67-5	$\overline{}$	9631462	Cognition enhancer	Dementia, AIDS-related
CRA-0450			0 M	0202549	Anxiolytic	Unspecified

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
creatinol-O-phosphate	Guanidine, N-methyl-N-[2- (phosphonooxy)ethyl]- [CAS]	6903-79-3			Ţ =	
CRL-5861	Oxirane, methyl-, polymer with oxirane, block [CAS]	106392-12-5	Si	4837014		Anaemia, sickle cell
	(2R,6S)-3-[2(S)-Benzyloxypropyl]-6,11,11-trimethyl-1,2,3,4,5,6,-hexahydro-2,6-methano-3-benzazocin-10-ol					
crobenetine			٥ M	9914199	Neuroprotective	Ischaemia, cerebral
croconazole	1H-Imidazole, 1-[1-[2-[(3- chlorophenyl)methoxy]phenyl]ethenyl]- [CAS]	77175-51-0	品	3021467	Antifungal	Infection, fungal, general
cromoglicic acid	4H-1-Benzopyran-2-carboxylic acid, 5,5'- [(2-hydroxy-1,3-propanediyl)bis(oxy)]bs4- oxo- [CAS]	53736-52-0			Formulation, mucosal, topical	Conjunctivitis
cromolyn	4H-1-Benzopyran-2-carboxylic acid, 5,5'- [(2-hydroxy-1,3-propanediyl)bis(oxy)]bis[4-15826-37-6 oxo-, [CAS]	15826-37-6 16110-51-3			Formulation, inhalable, solution	Asthma
Cropropamide		633-47-6				
Crotamiton		483-63-6				
Crotethamide		6168-76-9				
Crystacide			Sn	4557935	Formulation, dermal, topical	Infection, dermatological
CS-502			ЕР	799823	Analgesic, other	Pain, general
CS-758	4-[(1E,3E)-4-[trans-5-[11R,2R)-2-(2,4-difluorophenyl)-2-hydroxy-1-methyl-3-(1H-1,2,4-triazol-1-yl)propyl[thio]-1,3-dioxan-2-yl]-1,3-butadienyl]-3-fluorobenzonitrile				Antifungal	Infection, fungal, general
CS-834	1-Azabicyclo[3.2.0]hept-2-ene-2-carboxylic acid, 6-[(1R)-1-hydroxyethyl]-4-methyl-7- oxo-3-[[(3R)-5-oxo-3-pyrrolidinyl]thio]-, (2,2 dimethyl-1-oxopropoxy)methyl ester, (4R,5S,6S)- [CAS]	157542-49-9	ЕР	599512	Beta-lactam antibiotic	Infection, general

API Generic Name	API Chemical Name	CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
	[(2H-benzo[d]1,3-dioxalan-5- methyl)amino][4-(6,7-dimethoxyquinazolin- 4-yl)piperazinyl]methane-1-thione					
C1-052923					Cardiovascular	Restenosis
CT-32228	N-(4-bromophenyl)-6-(5-chloro-2- methylphenyl)-[1,3,5]triazine-2,4-diamine				Anticancer, other	Cancer, general
Cupric Citrate		866-82-0				
Cuproxoline		13007-93-7				
CVT-2584	Ethanol, 2,2'-[[6-[[(4-methoxyphenyl)methyl]amino]-9-(1-methylethyl)-9H-purin-2-yljmino]bis-[CAS]	199986-75-9	WO 89	9805335	Cardiovascular	Restenosis
	((S)-6-amino-5-(6-hydroxy-2.5.7.8-tetramethylchroman-2-carboxamido)-3-methyl-1-phenyl-2.4-(1H,3H)-pyrmidinedione					
CX-659S					Dermatological	Eczema, general
Cyacetacide		140-87-4				
Cyamemazine		3546-03-0	-			
Cyanidin		528-58-5				
CYC400			OM	WO 00172745	Anticancer, other	Cancer, general
Cyclacillin		3485-14-1				
Cyclandelate		456-59-7				
Cyclazocine		3572-80-3				
Cyclexanone		15301-52-7				
Cyclexedrine		532-52-5				
cyclidrol	3-Cyclohexene-1-methanol, 5-hydroxy- Alpha,Alpha,4-trimethyl- [CAS]	498-71-5			COPD treatment, Respiratory	Bronchitis, chronic
cyclin D1 inhibitors			ns	6033843	Anticancer, hormonal	Cancer, breast
Cyclizine		82-92-8				
Cyclobarbital		52-31-3				
Cyclobendazole		31431-43-3				

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API Generic Name	API Cilettical Name	CAS NO.	Kelerence	a)	Example of Therapeutic Use	Example of Indication
	1-Propanamine, 3-(5H-					
	dibenzo[a,d]cyclohepten-5-ylidene)-N,N-					
cyclobenzaprine	dimethyl-[CAS]	303-53-7			Formulation, modified-release, other	Muscle spasm, general
Cyclobutyrol		512-16-3				
Cyclocumarol		518-20-7				
Cyclodrine		52109-93-0				
Cyclofenil		2624-43-3				
Cycloguanil		516-21-2				
Cyclomethycaine		139-62-8				
Cyclonium lodide		6577-41-9				
Cyclopentamine		102-45-4				
Cyclopenthiazide		742-20-1				
Cyclopentobarbital		9-89-92				
Cyclopentolate		512-15-2				
	N.N-Bis(2-chloroethyl)tetrahydro-2H-1,3,2-oxazaphosphorin-2-amine-2-oxide					
cyclophosphamide	monohydrate	50-18-0 6055-19-2			Formulation, parenteral, targeted	Cancer, general
	2(1H)-Pyridinone, 6-cyclohexyl-1-hydroxy-					
- animelavoiroolavo	4-methyl-, cmpd with 2-aminoethanol(1:1)	41601 40.0			Commission transdormal other	Vocinitio
Colonianina	[ava]	4102143-2			l Olliniation, transdefiniar, ottler	calling A
Cycloserine		2250 DR 3				
Cyclotinazide		2209-90-0				
Cyclovalone		5/9-23-/				
Oylliailli		0-11-000				
	Carbamic acid, [4-(1-methylethyl)phenyl]-, (3aS,8aR)-1,2,3,3a,8,8a-hexahydro-1,3a,8.					
cymserine	trimethylpyrrolo[2,3-b]indol-5-yl ester ICASI	145209-39-8	OW.	9902154	Cognition enhancer	Alzheimer's disease
Cvnarin(e)		30964-13-7				
CYP26 inhibitors			NS 606	6063606	Dermatological	Unspecified
Cyproheptadine		129-03-3				
	(18,28)-6-Chloro-1,2-dihydro-17-hydroxy-3'H-cyclopropal 1,2lpregna-1 4,6-triene-	A THE PROPERTY OF THE PROPERTY				Chemotherapv-induced injury
cyproterone	3.20-dione [CAS]	2098-66-0			Radio/chemoprotective	general

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API G n ric Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
Cysteamine		60-23-1				
cvstic fibrosis ther	[[4-[[3-[[4-[1-(4-hydroxyphenyl)-1-methyl-ethyl]phenoxy]methyl]phenyl]methoxy]-phenyl]iminomethyl]-, ethyl ester				Cvetic fibrosis treatment	Vetic fibrocie
					Of street and street and street	Oyane moleans
cytarabine		65093-40-5 147-94-4	a	239015	Anticancer, antimetabolite	Myelodysplastic syndrome
	N-(Pyridin-4-yl)-(1-(4-chlorobenzyl)-indol-3-yl-alyoxvl-amide)					
D-24851					Anticancer, other	Cancer, general
	8-Methoxyquinoline-5-[N-(2,5-dichloropyridin-3-yl)]carboxamide					
D-4418					Antiasthma	Asthma
	Benzeneacetamide, 4-(2-aminoethoxy)-N- (3-(3,4-dimethylphenyl)propyl)-3-methoxy-,					
DA-5018	monohydrochloride [CAS]	174661-97-3	SN	5242944	Analgesic, other	Pain, musculoskeletal
DA-6034			Sn	6025387	GI inflammatory/bowel disorders	Crohn's disease
DA-7867			줎	9957803	Antibacterial, other	Infection, general
DA-7911			X.	56034	Antiarthritic, other	Arthritis, rheumatoid
5	3-(1-Methyl-7-oxo-3-propyl-6,7-dihydro-1H-pyrazolo-[4,3-d]pyrimidin-5-yl)-N-[2-(1-methylpyrrolidin-2-yl)ethyl]-4-propoxybenzenesulfonamide				:	Sexual dysfunction, male,
Describering		7 6 6767	¥	353014	Male sexual dystunction	general
Daclizumab		152923-56-3				
Dactinomycin		50-76-0				
	5,31-Dichloro-38-de(methoxycarbonyl)-7-demethyl-19-deoxy-56-O-[2-deoxy-2-(10-methylundecanamido)-18-D-glucopyranurosyl]-38-[N-13-(dimethylamino)propyl]carbamoyl]-42-O-Alpha-D-mannopyranosyl-N15-methylistymorio A aductore					
dalbavancin		171500-79-1			Peptide antibiotic	Infection, dermatological
Dalfopristin		112362-50-2				
Dairopristin		7-02-295711				

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API Generic Name	API Chemical Name	CAS No.	Kere	Kererence	Example of Inerapeutic Use	Example of Indication
	Virginiamycin M1, 26-((2- (diethylamino)ethyl)sulfonyl)-26,27-dihydro, (26R,27S)-, mixt with 4-(4- (dimethylamino)-N-methyl-L- phenylalamine)-5-(5-((1- azabicyclo(2.2.2)oct-3-ylthio)methyl)-4-oxo L-2-piperidinecarboxylic acid)					Infection, respiratory tract.
dalfopristin + quinupristin	virginiamycin S1- [CAS]	126602-89-9	EP	248703	Antibiotic, other	general
dalteparin	Heparin-, [CAS]	9041-08-1	S	4303651	Anticoagulant	Thromboprophylaxis
Daltroban		79094-20-5				
8-Aminolevulinic Acid		106-60-5				
danaparoid			EP	80699	Anticoagulant	Thrombosis, venous
danazol	Pregna-2,4-dien-20-yno[2,3-d]isoxazol-17- ol, (17Alpha)- [CAS]	17230-88-5	89	905844	Menstruation disorders	
Danthron		117-10-2				
Dantrolene		7261-97-4				
dapiprazole	1,2,4-Triazolo[4,3-ajpyridine, 5,6,7,8-trahydro-3-[2-[4-(2-methylphenyl)-1-piperaziny]ethyl]- [CAS]	72822-12-9 72822-13-0	SN	4252721	Ophthalmological	Glaucoma
	4-[[4-(2,4,6- trimethylphenyl)amino]pyrimidin-2- yllamino]benzonitrile					
dapivirine		244767-67-7			Antiviral, anti-HIV	Infection, HIV/AIDS
dapoxetine	(+)-(S)-N,N-dimethyl-Alpha-[2-(1-naphthyloxy)ethyl]benzylamine HCl	119356-77-3	品	288188	Male sexual dysfunction	Premature ejaculation
dansone	4,4'-Sulfonyldianiline	80-08-0			Formulation dermal topical	Acne
daptomycin	Daptomycin [CAS]	103060-53-3	品	178152	Peptide antibiotic	Infection, dermatological
Darbepoetin Alfa						
darifenacin	3-Pyrrolidineacetamide, 1-[2-(2,3-dihydro-5-benzofuranyl)ethyl]-Alpha,Alpha-diphenyl-, (S)- [CAS]	133099-04-4	8	388054	Urological	Overactive bladder
daunorubicin	5,12-Naphthacenedione, 8-acetyl-10-[(3-amino-2,3,6-trideoxy-Alpha-L-lyxo-hexopyranosyl)oxyJ-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy-, (8S-cis)-[CAS]	20830-81-3	SN	5441745	Formulation, optimized, liposomes	Cancer, sarcoma, Kaposi's

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API Generic Name	API Chemical Name	CAS No.	Reference	Example of Therapeutic Use	Example of Indication
DAX, SciClone	3-diallyl-8-cyclohexylxanthine			Cystic fibrosis treatment	Cystic fibrosis
	7-tert-Butyldimethylsilyl-10-				
DB-67				Anticancer, other	Cancer, general
d-Camphocarboxylic		18530-30-8			
Acid					
DCF-987	Dextran		US 5514665	Formulation, other	Cystic fibrosis
DDT		50-29-3			
Deaminooxytocin		113-78-0			
Deanol		108-01-0			
Debrisoquin		1131-64-2			
Decamethonium		541-22-0			
Decimemide		14817-09-5			
:		23339-46-0		:	
decitabine	rythro-pentofuranosyl)-[CAS]	2353-33-5		Anticancer, antimetabolite	Myelodysplastic syndrome
declopramide	Benzamide, 4-amino-3-chloro-N-(2- (diethylamino)ethyl)- [CAS]	891-60-1	WO 9732582	Anticancer, other	Cancer, colorectal
Deferiprone		30652-11-0			
D feroxamine		70-51-9			
deflazacort	5H-Pregna-1, 4-dieno[17, 16-d]oxazole- 3,20-dione, 21-(acetyloxy)-11-hydroxy-2'- methyl- (113, 163)- (CAS)	14484-47-0 74712-90-6	GB 1077393	Ногтопе	Asthma
Defosfamide		3733-81-1	┪		
	N-acetyl-3-(naphtalen-2-yl)-D-alanyl-4- chloro-D-phenylalanyl-3-(pyridin-3-yl)-D- alanyl-L-seryl-4-[[[(4S)-2,6- dioxohexahydropyrimidin-4- yl]carbonyl]amino]-L-phenylalanyl-4- (carbamoylamino)-D-phenylalanyl-L-leucyl-				
degarelix	alaninamide	214766-78-6		Anticancer, hormonal	Cancer, prostate
	L-threo-2,3-Hexodiulosonic acid gamma-				
dehydroascorbic acid		490-83-5	-	Cognition enhancer	Alzheimer's disease
Dehydrocholic Acid		81-23-2			

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API Generic Name	API Chemical Name	CAS No.	Reference		Example of Therapeutic Use	Example of Indication
Dehydroemetine		4914-30-1				
delapril	Glycine, N-(2,3-dihydro-1H-inden-2-yl)-N- [N-[1-(ethoxycarbonyl)-3-phenylpropyl]-L- alanyl]-, (S)- [CAS]	83435-66-9 83435-67-0	EP 51391		Antihypertensive, renin system	Hypertension, general
	Glycine, N-(2,3-dihydro-1H-inden-2-yl)-N-[N-[1-(ethoxycarbonyl)-3-phenylpropyl]-L-alanyl]-, (S)-3,5-Pyridinedicarboxylic acid, 1,4-dihydro-2,6-dimethyl-4,(3-nitrophenyl)-1,2-[4-(diphenylmethyl)-1-piperazinyl]ethyl					
delaprii+manidipine	metnyl ester [CAS]		7K	2/33911	Formulation, fixed-dose combinations	Hyperension, general
delavirdine	Piperazine, 1-[3-[(1-methylethyl)amino]-2-pyridinyl]-4-[[5-[(methylsulfonyl)amino]-1H-lindol-2-vllcarbonyll-ICASI	136817-59-9	WO 916	9109849	Antiviral, anti-HIV	Infection, HIV/AIDS
Delmadinone						
Delmopinol		79874-76-3				
delorazepam	2H-1,4-Benzodiazepin-2-one, 7-chloro-5- (2-chlorophenyl)-1,3-dihydro-[CAS]	2894-67-9	CH 408	408029	Anxiolytic	
delucemine	3,3-Bis-(m-fluorophenyl)-N-methylpropylamine [CAS]	186495-99-8			Neuroprotective	Ischaemia, cerebral
Demanyl		6909-62-2				
D m carium		56-94-0				
	2-Naphthacenecarboxamide, 7-chloro-4- (dimethylamino)-1,4,4a,5,5a,6,11,12a- octahydro-3,6,10,12,12a-pentahydroxy- 1,11-dioxo-, [4S- (4Alpha,4aAlpha,5aAlpha,68,12aAlpha)]-					
demeclocycline	[cas]	127-33-3			Formulation, modified-release, <=24hr Infection, general	Infection, general
Demecolcine		477-30-5				
Demegestone		10116-22-0				
Demexiptiline		24701-51-7				
	Benzeneacetic acid, Alpha-(2-ethylbutoxy)-Alpha-phenyl-, 2-(dimethylamino)ethyl		-			
denaverine	ester, [CAS]		DE 413	4133785	Analgesic, NSAID	Pain, musculoskeletal
Denil ukin Diftitox		173146-27-5				
D nopamine		71771-90-9				

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API Generic Name	API Chemical Name	CAS No.	Kefe	Keterence	example of Inerapeutic Use	Example of Indication
Denopterin		22006-84-4				
Deoxycholic Acid		83-44-3				
Deoxycorticosterone		64-85-7				
		56-47-3				
Deoxydihydrostreptomy		26086-49-7				
cin						
Deoxyepinephrine		501-15-5				
D pr otide		161982-62-3				
	L-Valine, N-[(3S,4E)-3-hydroxy-7- mercapto-1-oxo-4-heptenyl]-D-valyl-D- cysteinyl-(2Z)-2-amino-2-butenoyl (4-1)-					
depsipeptide	lactone, cyclic (1-2)-disulfide [CAS]	128517-07-7	П	352646	Anticancer, antibiotic	Cancer, general
Deptropine		604-51-3				
Dequalinium		522-51-0				
	Benzoic acid, 2-hydroxy-5-[[4-[3-[4-(2-methyl-1H-imidazol[4,5-c]pyridin-1-n]]	100012 57 7				
dersalazine	yıjmerriyij-1-piperroliriyij-3-0x0-1-prienyi-1- propenyi]phenyi]azo] (Z) [CAS]	188913-57-7 188913-58-8	Sn	5747477	Anti-inflammatory	Colitis, ulcerative
Deserpidine		131-01-1				
desternoxamine	aminopentyl)-N-hydroxy- [CAS]	70-51-9			Antidote	Poisoning, metal
Desflurane		57041-67-5				
Desipramine		50-47-5				
Deslanoside		17598-65-1				
desloratadine	5H-Benzo(5,6)cyclohepta(1,2-b)pyridine, 8- chloro-6,11-dihydro-11-(4-piperidinylidene) [CAS]	100643-71-8	SN	5595997	Antiallergic, non-asthma	Rhinitis, allergic, perennial
	Luteinizing hormone-releasing factor (pig), 6-D-tryntonhan-9-(N-ethyl-I-prolinamide).					
deslorelin	10-deglycinamide- [CAS]	57773-65-6	Sn	4034082	Releasing hormones	Cancer, prostate
desmopressin	Vasopressin, 1-(3-mercaptopropanoic acid)-8-D-arginine- [CAS]	16679-58-6	吕	2948345	Ногтопе	Enuresis
Desogestrel		54024-22-5				

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API Generic Name	API Chemical Name	CAS NO.	Kere	Kererence	Example of Inerapeutic Use	Example of mulcation
	Estra-1,3,5(10)-triene-3,17-diol (178)-,					
	methylene-18,19-dinorpregn-4-en-20-yn-					
desogestrel + estradiol	17-ol [CAS]	122364-17-4			Menopausal disorders	Hormone replacement therapy
desogestrel. Akzo Nobel	18,19-Dinorpregn-4-en-20-yn-17-ol, 13- lethyl-11-methylene-, (17Alpha)- [CAS]	54024-55-5			Formulation, oral, other	Contraceptive, female
	18 19-Dinorpregn-4-en-20-vn-17-ol 13-	54024-22-5				
desogestrel+ethinylestrad (1)	ethyl-11-methylene-, (17Alpha)-[CAS]	71138-35-7	Sn	3927046	Formulation, oral, other	Contraceptive, female
Desomorphine		427-00-9				
Desonide		638-94-8				
Desoximetasone		382-67-2				
Detaxtran		9015-73-0				
Devacade			۸ ۷	9308176	Analgesic, other	Pain, general
	fluoro-	50-02-2				
dexamethasone	(118,16Alpha)- [CAS]	232-39-4 312-93-6			Formulation, other	Inflammation, ocular
	Classification O consult discussion 2 (4.4.					
	on-Diperizo[b,o]pyran-9-meuranor, 3-(1, 1-dimethylbentyl)-69 7 10 10g-tetrahydro-1-					
dexanabinol	hydroxy-6,6-dimethyl-, (6aS-trans)- [CAS]	112924-45-5	EP	427518	Neuroprotective	Head trauma
	\sim	10				
dexecadotril	pnenyipropyij-, pnenyineniyi ester, (ת)- [CAS]	112573-72-5	ЕP	318377	Alimentary/Metabolic, other	Unspecified
	1H-Imidazole, 2-(2-ethyl-2,3-dihydro-2-	89197-00-2				
dexefaroxan	benzofuranyl)-4,5-dihydro- [CAS]	89197-32-0	EP	71368	Cognition enhancer	Alzheimer's disease
Dexetimide		21888-98-2				
dexibilitrofen	Benzeneacetic acid, Alpha-methyl-4-(2-methylpronyl)- (AlphaS)- (CAS)	51146-56-6			Analoesic. NSAID	Pain, general
	Benzeneacetic acid, 3-benzovl-Alpha-					
dexketoprofen	methyl-, (S)- [CAS]	22161-81-5			Anti-inflammatory	Inflammation, general
	Pentanoic acid, 4-[(3,4-dichlorobenzoyl)aminol-5-[(3-					
dexloxiqlumide	methoxypropyl)pentylamino]-5-oxo-, (R)- [CAS]	119817-90-2	EP	0344184	Gl inflammatory/bowel disorders	Irritable bowel syndrome
dexmedetomidine	1H-Imidazole, 4-[1-(2,3-dimethylphenyl)ethyl]-, (R)- [CAS]	113775-47-6 86347-15-1	ЕР	187471	Hypnotic/Sedative	Anaesthesia

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
	2-Piperidineacetic acid, Alpha-phenyl-, methyl ester, (AlphaR, 2R)-					
dexmethylphenidate		19262-68-1			Psychostimulant	Attention deficit disorder
Dexpanthenol		81-13-0				
	2,6-Piperazinedione, 4,4'-(1-methyl-1,2-					Chemotherapy-induced injury,
dexrazoxane	ethanediyl)bis-, (S)- [CAS]	24584-09-6	BE	1910283	Radio/chemoprotective	general
Dextran-1	Dextran [CAS]	9004-54-0			Plasma substitute	
Dextranomer		56087-11-7				
Dextroamphetamine		51-64-9				
	Morphinan, 3-methoxy-17-methyl-,	6700-34-1				
dextromethorphan	(9Alpha,13Alpha,14Alpha)-,	125-71-3	ns	4221788	Formulation, oral, other	Cough, Emotional lability
Dextromoramide		357-56-2				
	Benzeneethanol, Alpha-[2-(dimethylamino)					
dextropropoxyphene	1-methylethyl]-Alpha-phenyl-, propanoate (ester), [S-(R*,S*)]- [CAS]	469-62-5			Formulation, modified-release, other	Pain, general
Dezocine		53648-55-8				
DF-1012	N-Tropyl 7-azaindol-3-ylcarboxamide	163220-65-3	8	9504742	Respiratory	Respiratory disease, general
DFA-IV	di-D-fructofuranose 2,6':5,2' dianhydride		SN	5700832	Antianaemic	Anaemia, aplastic
d-Fenchone		4695-62-9	:			
p-Glucuronolactone		32449-92-6				
Diab II	Diab II	309956-85-2	SN	6153632	Antidiabetic	Diabetes, Type II
	2-Anthracenecarboxylic acid, 4,5-bis(acetyloxy)-9,10-dihydro-9,10-dioxo-					
diacerein	[CAS]	13739-02-1	US	4244968	Antiarthritic, other	Arthritis, rheumatoid
Diampromide		552-25-0				
Diamthazole		136-96-9				
Diathymosulfone		5964-62-5				
Diatrizoate		737-31-5				
medezeib	2H-1,4-Benzodiazepin-2-one, 7-chloro-1,3-dibydro-1,methyl-5-phenyl, ICASI	430-14.5			Formulation transmissions evelamic	Anviety enilency general
Diaziguone		57998-68-2			out of the control of	Sound (follows)
Diazoxide		364-98-7				

API Generic Name	API Chemical Name	CAS No.	Patent Referen	Patent Reference	Example of Therapeutic Use	Example of Indication
	D-Streptamine, O-3-amino-3-deoxy-Alpha-D-glucopyranosyl-(1-6)-O-[2,6-diamino-2,3,4,6-tetradeoxy-Alpha-D-erythro-hexopyranosyl-(1-4)]-2-deoxy-, sulfate	34493-98-6				
dibekacin	(salt)[CAS]	58580-55-5	BB BB	1349302	Aminoglycoside antibiotic	Infection, general
Dibenzepin	and the same of th	4498-32-2				
Dibromopropamidine		496-00-4				
Dibucaine		61-12-1				
Dichloralphenazone		480-30-8				
Dichloramine T		473-34-7				
Dichlorisone		7008-26-6				
Dichlorobenzyl Alcohol		1777-82-8				
Dichlorophen		97-23-4				
Dichlorophenarsine		536-29-8				
Dichlorphenamide		120-97-8				
diclofenac + HA	Hyaluronic acid + benzeneacetic acid, 2- [(2,6-dichlorophenyl)amino]- [CAS]				Formulation, transdermal, systemic	Keratosis
	Benzeneacetic acid, 2-[(2,6-	15307-79-6 15307-86-5				
diclofenac	dichlorophenyl)amino]-, [CAS]	15307-81-0			Formulation, modified-release, <=24hr Pain, general	Pain, general
Dicloxacillin		3116-76-5				
Dicumarol		66-76-2				
Dicyclomine		77-19-0				
didanosine	Inosine, 2',3'-dideoxy- [CAS]	69655-05-6	SN	4861759	Antiviral, anti-HIV	Infection, HIV/AIDS
Dideoxyadenosine		4097-22-7				
didox	Benzamide, N,3,4-trihydroxy- [CAS]	69839-83-4	ns	4263322	Anticancer, antimetabolite	Cancer, general
Dienestrol		84-17-3				
dienogest	19-Norpregna-4,9-diene-21-nitrile, 17- hydroxy-3-oxo-, (17Alpha)- [CAS]	65928-58-7	GB	1524917	Menstruation disorders	Endometriosis
	19-Norpregna 4, 9-diene-21-nitrile, 17-hydroxy-3-oxo-,(17Alpha) + Estra-13,5(10)-triene-3,17-diol(178)					
dienogest+estradiol					Formulation, fixed-dose combinations	Contraceptive, female
Diethadione		702-54-5				
Diethazine		60-91-3				

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API Generic Name	API Chemical Name	CAS No.	Reference	ence	Example of Therapeutic Use	Example of Indication
Diethylbromoacetamide		511-70-6				
Diethylcarbamazine		90-89-1				
	1-Propanone, 2-(diethylamino)-1-phenyl-					
diethylpropion	[CAS]	90-84-6			Formulation, modified-release, <=24hr	Obesity
Diethylstilbestrol		56-53-1				
Difemerine		80387-96-8				
Difenamizole		20170-20-1				
Dif noxin		28782-42-5				
Difenpiramide		51484-40-3				
	(5R)-5-Ethyl-9,10-difluoro-1,4,5,13- tetrahydro-5-hydroxy-3H,15H-					
	oxepino[3',4''6, indolizino[1,2-b]quinoline-					
diflomotecan	S, to-dione	220997-97-7			Anticancer, other	Cancer, general
	Pregna-1,4-diene-3,20-dione, 17,21-					
diflorasone	bis(acetyloxy)-6,9-difluoro-11-hydroxy-16- 33564-31-7 methyl-, (6Alpha,118,16ß)- [CAS] 2557-49-5	33564-31-7 2557-49-5	US 3	3980778	Antipsoriasis	
Difloxacin		98106-17-3				
Diflucortolone		2607-6-9				
diflunisal	2',4'-difluoro-4-hydroxy[1,1'-biphenyl]-3-carboxylic acid	23674-86-4 22494-42-4	GB 1	1175212	Analgesic, NSAID	Pain, post-operative
Difluprednate		23674-86-4				
Digitalin		752-61-4				
Digitoxin		71-63-6				
	Card-20(22)-enolide, 3-[(O-2,6-dideoxy-ß-D-ribo-hexopyranosyl-(1-4)-O-2,6-dideoxy-ß-D-ribo-hexopyranosyl-(1-4)-2,6-dideoxy-ß-D-ribo-hexopyranosyl)oxyJ-12,14-					
digoxin	dihydroxy-, (38,58,128)- [CAS]	20830-75-5	SU 4	4088750	Formulation, oral, enteric-coated	Heart failure
Dihexyverine		561-77-3				
Dihydralazine		484-23-1				
Dihydrocodeine		125-28-0				
Dihydrocodeinone Enol		466-90-0				

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API Generic Name	API Chemical Name	CAS No.	ratent Reference	Example of Therapeutic Use	Example of Indication
dihydroergocryptine	Ergocryptine, dihydro- [CAS]	25447-66-9		Formulation, other	Depression, general
dihydroergotamine	Ergotaman-3',6',18-trione, 9,10-dihydro- 12'-hydroxy-2'-methyl-5'-(phenylmethyl)-, (5Alpha,10Alpha)- [CAS]	511-12-6	6495535	Formulation, modified-release, other	Migraine
Dihydromorphine		509-60-4			
Dihydrostreptomycin		128-46-1			
Dihydrotachysterol		6-96-29			
Dihydroxyaluminum		13682-92-3			
Diisopromine		5966-41-6			
Diisopropyl Paraoxon		3254-66-8			
Diisopropylamine		660-27-5			
dilazen	Benzoic acid, 3,4,5-trimethoxy-, (tetrahydro-1H-1,4-diazepine-1,4(5H)-diyl)-ita 1-propanediyl ester ICASI	35898-87-4	JP 51095086	Vasodijator coronary	
Dilevalol		က္	1		
diloxanide	2-Furancarboxylic acid, 4- [(dichloroacety))methylamino]phenyl ester 3736-81-0 [CAS]	3736-81-0 579-38-4		Amoebicide	
	1,5-Benzothiazepin-4(5H)-one, 3- (acetyloxy)-5-[2-(dimethylamino)ethyl]-2,3-				
diltiazem	ginydro-z-(4-memoxypnenyr)-, (zo-cis)- [CAS]	33286-22-5 42399-41-7	US 332377 EP 322277	Antianginal	Angina, hypertension, general
Dimecrotic Acid		7706-67-4			
Dimefline		1165-48-6			
Dimemorfan		36309-01-0			
Dimenhydrinate		523-87-5			
Dimenoxadol		509-78-4			
Dim pheptanol		545-90-4			
Dimercaprol		59-52-9			
Dimetacrine		4757-55-5			
Dimethadione		695-53-4			
Dimethazan		519-30-2			
Dimethindene		5636-83-9			
Dimethisoquin		86-80-6			

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
Dimethisterone		79-64-1				
Dimethocaine		94-15-5				
Dimethoxanate		477-93-0				
Dimethyl Sulfoxide		67-68-5				
Dimethylthiambutene		524-84-5				
Dimetofrine		22950-29-4				
Dimorpholamine		119-48-2				
	Prosta-5,13-dien-1-oic acid, 11,15-dihydroxy-9-oxo-, (5Z,11Alpha,13E,15S)-					
dinoprostone	[CAS]	363-24-6			Formulation, modified-release, <=24hr	Labour, induction
diosmectite	Smecta- [CAS]	110070-78-5	뚀	2770778	Antidiarrhoeal	Diarrhoea, general
	4H-1-Benzopyran-4-one, 7-[[6-O-(6-deoxy-					
	Alpha-L-mannopyranosyl)betaD-					
diosmin	hydroxy-4-methoxyphenyl)- [CAS]	520-27-4	DE	2602314	Vasoprotective, systemic	
Dioxadrol		6495-46-1				
Dioxaphetyl		467-86-7				
Dioxethedrine		497-75-6				
Dioxybenzone		131-53-3				
Diphemanil		62-97-5				
Diphenadione		82-66-6				
Diphencyprone		886-38-4				
Diphenhydramine		58-73-1				
Diphenidol		972-02-1				
Diphenoxylate		915-30-0				
Diphenylpyraline		147-20-6				
Diphetarsone		515-76-4				
Diphtheria &						
Tetanus Toxoids And						
Acellular Pertussis						-
Vaccine Adsorbed						
Dipipanone		467-83-4		į		

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API Generic Name	API Chemical Name	CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
	Propanoic acid, 2,2-dimethyl-, 4-[1-hydroxy-2-(methylamino)ethyl]-1,2-					
dipivefrin	phenylene ester (+/-)- [CAS]	52365-63-6	NS	3809714	Antiglaucoma	Glaucoma
Dipyridamole		58-32-2				
Dipyroc tyl		486-79-3				
Dipyrone		5907-38-0				
diquafosol	Uridine 5'-(pentahydrogen tetraphosphate) 5'-ester with uridine, [CAS]	211427-08-6			Ophthalmological	Dry eye syndrome
dirithromycin	Erythromycin, 9-deoxo-11-deoxy-9,11- [imino[2-(2-methoxyethoxy)ethylidene]oxy]- i9S(R)1-ICAS)	62013-04-1	r.	2515075	Macrolide antibiotic	Tonsilltis
	Phosphonic acid, (3-amino-1-					
disodium pamidronate	riydroxypropylideriejibis-, disodium sait [CAS]	57248-88-1	굅	177443	Osteoporosis treatment	Hypercalcaemia of malignancy
Disofenin		65717-97-7				
	2-Pyridineacetamide, Alpha-[2-[bis(1-methylethyl)amino]ethyl]-Alpha-phenyl-					
disopyramide	[CAS]	3737-09-5			Formulation, modified-release, <=24hr Arrhythmia, general	Arrhythmia, general
Distigmine		15876-67-2				
Disulfamide		671-88-5				
Disulfiram		9-77-8				
Ditazol		18471-20-0				
Dithiazanine		514-73-8				
	9(10H)-Anthracenone, 1,8-dihydroxy-					
dithranol	[CAS]	1143-38-0			Formulation, dermal, topical	Psoriasis
Ditiocarb		148-18-5				
Dixanthogen		502-55-6				
Dixyrazine		2470-73-7				
DJ-927			ş	WO 01027115	Anticancer, other	Cancer, general

API Generic Name	API Chemical Name	CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
אנטג	(-)-7-[(7S)-7-Amino-5-azaspiro[2.4]heptan-5-yl]-6-fluoro-1-[(1R,2S)-2-fluoro-1-cyclopropyl]-1,4-dihydro-8-methoxy-4-oxo-3-quinolinecarboxylic acid hydrochloride monohydrate				Oninolone antiharterial	Infaction denaral
pr-Lactic Acid		598-82-3				
DMDC	Cytidine, 2'-deoxy-2'-methylene-, monohydrochloride [CAS]	113648-25-2	8	8807049	Anticancer, antimetabolite	Cancer, general
DMXAA	5,6-dimethylxanthenone-4-acetic acid				Anticancer, other	Cancer, lung, general
DNA Stealth Nucleosides			Sn	6132776	Antiviral, anti-HIV	Infection, HIV/AIDS
Dobesilate		20123-80-2				
dobutamine	1,2-Benzenediol, 4-[2-[[3-(4-hydroxyphenyl)-1-methylpropyl]amino]ethyl]-, (+/-)- [CAS]	34368-04-2 49745-95-1	Sn	3987200	Cardiostimulant	
Docarpamine		74639-40-0				
docetaxel	(2R,3S)-N-Carboxy-3-phenylisoserine, N-tert-butyl ester, 13-ester with 56,20-epoxy-1,2Alpha,4,76,106,13Alpha-hexahydroxytax-11-en-9-one 4-acetate 2-114977-28-5 benzoate- [CAS]	114977-28-5 148408-66-6	<u>.</u>	253738	Anticancer, other	Cancer, breast
docosahexaenoic acid			T^{T}	707487	Hypolipaemic/Antiatherosclerosis	Hyperlipidaemia, general
docosanol	1-Docosanol [CAS]	661-19-8	G.	469064	Antiviral, other	Infection, herpes simplex virus
docusate		128-49-4 577-11-7	Sn	4752617	Formulation, dermal, topical	Infection, herpes simplex virus prophylaxis
dofetilide	Methanesulfonamide, N-[4-[2-[methyl[2-[4- [(methylsulfonyl)amino]phenoxy]ethyl]amin o]ethyl]phenyl]- [CAS]	115256-11-6	Д	245997	Antiarrhythmic	Fibrillation, atrial
	1H-Indole-3-carboxylic acid, octahydro-3-oxo-2,6-methano-2H-quinolizin-8-yl ester, (2Alpha,6Alpha,9Alpha,9Alpha)	115956-13-3				Chemotherapy-induced
dolasetron mesilate	monomethanesultonate- [CAS]	115956-12-2 61860-07-6	Di	266/30	Antiemetic	nausea and vomiting
Domiphen		538-71-6				

API Generic Name	API Chemical Name	CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
Domitroban		112966-96-8				
domperidone	2H-Benzimidazol-2-one, 5-chloro-1-[1-[3- (2,3-dihydro-2-oxo-1H-benzimidazol-1- yl)propylJ-4-piperidinyl]-1,3-dihydro- [CAS] 57808-66-9	57808-66-9	ns	4066772	Antiemetic	
donepezil	1H-Inden-1-one, 2,3-dihydro-5,6- dimethoxy-2-((1-(phenylmethyl)-4- piperidinyl)methyl)-, [CAS]	120011-70-3 120014-06-4	&	296560	Cognition enhancer	Alzheimer's disease
donitriptan	Piperazine, 1-(((3-(2-aminoethyl)-1H-indol-5-yl)oxy)acetyl)-4-(4-cyanophenyl)- [CAS]	170912-52-4			Antimigraine	Migraine
Dopamine		51-61-6				
Dopexamine		86197-47-9				
doramapimod	urea, N-[3-(1,1-dimethylethyl)-1-(4- methylphenyl)-1H-pyrazol-5-yl]-N'-[4-[2-(4- morpholinyl)ethoxy]-1-napthalenyl]-	285983-48-4			Antiarthritic, immunological	Arthritis, rheumatoid
doranidazole	(±)-1,2,4-Butanetriol, 3-((2-nitro-1H-imidazol-1-yl)methoxy)- [CAS]	137339-64-1	8	9414778	Radio/chemosensitizer	Surgery adjunct
doripenem	(1R,5S,6S)-2-[(3S,5S)-5- (sulfamoylaminomethyl)pyrrolidin-3-yl]thio- 6-[(1R)-1-hydroxyethyl]-1-methylcarbapen- 2-em-3-carboxylic acid	148016-81-3	<u>ш</u>	528678	Beta-lactam antibiotic	Infection, urinary tract
dorzolamide	4H-Thieno(2,3-b)thiopyran-2-sulfonamide, 4-(ettrylamino)-5,6-dihydro-6-mettryl-,7,7- dioxide (4S-trans)- [CAS]	120279-96-1	ם	296879	Antiglaucoma	Glaucoma
dorzolamide + timolol	4H-Thieno(2,3-b)thiopyran-2-sulfonamide, 4-(ethylamino)-5,6-dihydro-6-methyl-7,7- dioxide (4S-trans) + ethyl 2-propanol, 1- [(1,1-dimethyl)amino]-3-[[4-(4-morpholinyl)-120279-96-1 1,2,5-thiadiazol-3-yl]oxy]-, (S), (Z)-2- butenedioate (1:1) (salt) [CAS]	120279-96-1 26839-75-8 26921-17-5			Formulation, fixed-dose combinations	Glaucoma

API Generic Name	API Chemical Name	CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
	Aluminium, (µ7-(7-((6-O-(6-deoxy-2,3,4-tri-O-sulfo-Alpha-L-mannosylpyranosyl)-2,3,4-tri-tri-O-sulfo-8-D-glucopyranosyl)oxy)-5-hydroxy-2-(4-methoxy-3-(sulfooxy)phenyl-					
dosmalfate	4H-1-benzopyran-4-onato(7-)))tetradeca-µ-hydroxyheneicosahydroxytetradeca- [CAS] 122312-55-4	122312-55-4			Antiulcer	Ulcer, gastric
dosulepine	1-Propanamine, 3-dibenzo[b,e]thiepin- 11(6H)-ylidene-N,N-dimethyl- [CAS]	113-53-1			Antidepressant	:
Dotarizine		84625-59-2				
Dothiepin		113-53-1				
Doxacurium		106819-53-8				
Doxapram		309-29-5				
doxazosin	Piperazine, 1-(4-amino-6,7-dimethoxy-2-quinazolinyl)-4-[(2,3-dihydro-1,4-benzodioxin-2-yl)carbonyl]- [CAS]	74191-85-8	GB	2007656	Antihypertensive, adrenergic	Hypertension, general
Doxefazepam		40762-15-0				
Doxenitoin		3254-93-1				
doxepin	1-Propanamine, 3-dibenz[b,e]oxepin- 11(6H)-ylidene-N,N-dimethyl-	1668-19-5			Formulation, dermal, topical	Pruritus
doxercalciferol	9,10-secoergosta-5,7,10(19),22-tetraene- 1,3-diol (1Alpha, 38, 52, 7E, 22E) [CAS]	54573-75-0	Sn	5104854	Hormone	Hyperparathyroidism
doxifluridine	Uridine, 5'-deoxy-5-fluoro- [CAS]	3094-09-5	ns	4071680	Anticancer, antimetabolite	Cancer, colorectal
doxofylline	1H-Purine-2,6-dione, 7-(1,3-dioxolan-2- ylmethyl)-3,7-dihydro-1,3-dimethyl-[CAS]	69975-86-6	ns n	4187308	Antiasthma	Asthma
doxorubicin	5,12-Naphthacenedione, 10-[(3-amino-2,3,6-trideoxy-Alpha-L-lyxo-hexopyranosyl)oxyl-7,8,9,10-tetrahydro-6,8,11-tritydroxy-8-(hydroxyacetyl)-1-methoxy-, (8S-cis)- [CAS]	23214-92-8	В	191824	Formulation, optimized, liposomes	Cancer, general

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API Generic Name	API Chemical Name	CAS No.	ratent Referer	ratent Reference	Example of Therapeutic Use	Example of Indication
- Programme April 1997	2-Naphthacenecarboxamine, 4- (dimethylamino)-1,4,4a,5,5a,6,11,12a- octahydro-3,5,10,12,12a-pentahydroxy-6- methyl-1,11-dioxo-[4S- (4Alpha,4aAlpha,5Alpha,5aAlpha,6Alpha,1564-25-0	564-25-0			Formulation, modified-release,	e de la companya de l
ook) charle	247 [CAO] -[CAO]	1.000-70-1			ווווווווווווווווווווווווווווווווווווווו	renconnins
doxylamine	N,N-Dimetnyl-2-[1-phenyl-1-(2- pyridinyl)ethoxy]ethanamine	469-21-6			Formulation, transmucosal, systemic	Rhinitis, allergic, general
	ß-D-2',3'-didehydro-2',3'-dideoxy-5-					
DPC-817	fluorocytidine				Antiviral, anti-HIV	Infection, HIV/AIDS
DPI-3290			SN	5681830	Analgesic, other	Pain, general
	5-Amino-7-[{3S,4R}-(1-aminocyclopropyl)-3-fluoropyrrolidin-1-yl]-1-[{1R,2S}-2-fluoro-1-cyclopropyl]-1,4-dihydro-8-methyl-4-oxo-3-quinolinecarboxylic acid					
DQ-113	-				Quinolone antibacterial	Infection, general
Drofenine		1679-76-1				
Droloxifene		82413-20-5				
Drometrizole		2440-22-4				
Dromostanolone		58-19-5				
i de la companya de l	6H-Dibenzo[b,d]pyran-1-ol, 6a,7,8,10a- letrahydro-6,6,9-trimethyl-3-pentyl-, (6aR-	0 00 0201			A	Chemotherapy-induced
uloriabilio	uans)-[CAS]	1972-00-3			Antieric	nausea and vornung
	2-n-Butyl 3-[4-(3-di-n-butylamino- propoxy)benzoyl]5- methylsulfonamidobenzofuran					
dronedarone					Antiarrhythmic	Arrhythmia, general
Droperidol		548-73-2				
Droprenilamine		57653-27-7				
Dropropizine		17692-31-8				
Drospirenone		67392-87-4				
Drotaverine		14009-24-6				
Drotebanol		03/02/3176				

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
droxicam	2H,5H-1,3-Oxazino[5,6- c][1,2]benzothiazine-2,4(3H)-dione, 5- methyl-3-(2-pyridinyl)-, 6,6-dioxide [CAS]	90101-16-9	EP	99770	Anti-inflammatory	Inflammation, general
droxidopa	L-Tyrosine, ß,3-dihydroxy-, threo- [CAS]	23651-95-8	Б	128684	Antiparkinsonian	Parkinson's disease
Droxidopa		23651-95-8				
DU-125530	1,2-Benzisothiazol-3(2H)-one, 2-[4-[4-(7-chloro-2,3-dihydro-1,4-benzodioxin-5-yl)-1-piperazinyl[butyl]-, 1,1-dioxide [CAS]	161611-99-0	БP	633260	Anxiolytic	Anxiety, general
duloxetine	2-Thiophenepropanamine, N-methyl-Gamma-(1-naphthalenyloxy)-, hydrochloride, (S)-[CAS]	136434-34-9 116539-59-4	SN	5362886	Antidepressant	Depression, general
duramycin			Š	9428726	Formulation, inhalable, solution	Cystic fibrosis
Durapatite		1306-06-5				
dutasteride	4.Azaandrost-1-ene-17-carboxamide, N- (2,5-bis(trifluoromethyl)phenyl)-3-oxo-, (5Alpha,17ß)- [CAS]	164656-23-9	SN	5565467	Prostate disorders	Benign prostatic hyperplasia
DW-1141	N.N-diisopropyl-4-[4-(3- aminobenzo[d]isoxazol-6-yloxy]butoxy]-3- methoxybenzamide				Osteonorosis treatment	Osteonorosis
					Cateopoloaia neamient	Catechologia
	(R)-(-)-7-((4-aminomethyl-4-methyl-3-(Z)-methyloxyimino)pyrrolidin-1-yl)-1-cyclopropyl-6-fluoro-4-oxo-1,4-dihydro[1,8]naphthyridine-3-carboxylicacid					
DW-286a					Quinolone antibacterial	Infection, general
DW-471			Sn	5922871	Antiviral, other	Infection, hepatitis-B virus
DX-9065a	2-Naphthalenepropanoic acid, 7- (arninoiminomethyl)-Alpha-[4-[[1-(1- iminoethyl)-3-pyrrolidinyl]oxy]phenyl]-, monohydrochloride, pentahydrate, [S- (R*,R*)]- [CAS]	155204-81-2			Antithrombotic	Thrombosis, general
	[6 (2000)

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API Gen ric Name	API Chemical Name	CAS No.	Refer	Reference	Example of Therapeutic Use	Example of Indication
DY-9760e	1H-Indazole, 3-[2-[4-(3-chloro-2-methylphenyl)-1-piperazinyl]ethyl]-1-(1H-imidazol-4-ylmethyl)-5,6-dimethoxy- [CAS] 160522-00-9	160522-00-9	Sn	5681954	Neuroprotective	Ischaemia, cerebral
Dyclonine		586-60-7				
Dydrogesterone		152-62-5				
Dymanthine		124-28-7			T 100 March 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Dyphyllin		479-18-5				
E-1010	1-Azabicyclo[3.2.0]hept-2-ene-2-carboxylic acid, 6-[(1R)-1-hydroxyethyl]-3-[[(3S,5S)-5-[(R)-hydroxy(3R)-3-pyrrolidinylmethyl]-3-pyrrolidinyllthio]-4-methyl-7-oxo-, monohydrochloride, (4R,5S,6S)- [CAS]	186319-97-1			Beta-lactam antibiotic	Infection, general
	N-Ethyl-(1-[1-(2-fluorophenethyl)piperidin- 4-yl]-1H-indol-6-yl)acetamide					
E-2101					Muscle relaxant	Muscle spasm, general
E2F antagonists	,		8	9606943	Anticancer, other	Cancer, general
E-3620	Benzamide, 4-amino-5-chloro-N-(8-methyl-8-azabicyclo[3.2.1]oct-3-yl)-2-[(1-methyl-2-butynyl)oxyl-, monohydrochloride, [3(S)-endo]- [CAS]	151213-86-4	EP .	554794	Antacid/Antiflatulent	Dyspepsia
	Alpha-D-Glucopyranose, 3-O-decyl-2-deoxy-6-O-(2-deoxy-3-O-((3R)-3-methoxydecyl)-6-O-methyl-2-(((11Z)-1-oxo-11-octadecenyl)amino)-4-O-phosphono-ß-D-glucopyranosyl)-2-((1,3-di)xdrogen					
E-5564	phosphate), tetrasodium salt [CAS]	185954-98-7	급	536969	Septic shock treatment	Sepsis
E-5842	Pyridine, 4-(4-fluorophenyl)-1,2,3.6- tetrahydro-1-[4-(1H-1,2,4-triazol-1-yl)butyl]- , 2-hydroxy-1,2,3-propanetricarboxylate	220120-14-9			Neurolentic	Schizoptrenia
2-00	[cvo] (1.1)	2-41-071077			red i Diepino	Scripting

API Generic Name	API Chemical Name	CAS No	Patent Refere	و	Example of Therapeutic Hea	Example of Indication
	1-(4-Aminosulfonylphenyl)-5-(2,4-difluorophenyl)-4,5-dihydro-3-trifluoromethyl-1-H-ovrazole					
E-6259					Antiarthritic, other	Unspecified
EAA-90	[2-(8,9-Dioxo-2,6-diazabicyclo[5.2.0]non- 1(7)-en-2-yl)-ethyl]phosphonic acid				Analgesic, other	Pain, neuropathic
e-Acetamidocaproic Acid		57-08-9				
e-Aminocaproic Acid		60-32-2				
ebastine	1-Butanone, 1-[4-(1,1-dimethylethyl)phenyl]-4-[4-(diphenylmethoxy)-1-piperidinyl]- [CAS]	90729-43-4	<u>п</u>	134124	Antiallergic, non-asthma	Rhinitis, allergic, seasonal
eberconazole	1H-Imidazole, 1-(2,4-dichloro-10,11- dihydro-5H-dibenzo[a,d]cyclohepten-5-yl)- 128326-82-9 [CAS]	128326-82-9 130104-32-4	ES	2012297	Antifungal	Infection, dermatological
ebrotidine	Benzenesulfonamide, N-[[[2-[[[2- [(aminoiminomethyl)amino]-4- thiazoly]methyl[thio]ethyl]amino]methylene]-4-bromo- [CAS]	100981-43-9	<u>Б</u>	159012	Antiulcer	Ulcer, duodenal
1	1,2-Benzisoselenazol-3(2H)-one, 2-phenyl-	0 10 01000	Γ			
Eburnamonine	[CA5]	60940-34-3 474-00-0	귀 4	449/1	Neuroprotective	Haemorrhage, subarachnoid
Ecabapide		104775-36-2				
ecabet	1-Phenanthrenecarboxylic acid, 1,2,3,4,4a,9,10,10a-octahydro-1,4a- dimethyl-7-(1-methylethyl)-6-sulfo-, [1R- (1Alpha,4aß,10aAlpha)]- [CAS]	33159-27-2 86408-72-2	E 3	3239172	Antiulcer	Ulcer, gastric
ecadotril	Glycine, N-[2-[(acetylthio)methyl]-1-oxo-3-phenylpropyl]-,phenylmethyl ester, (S)-[CAS]	112573-73-6	<u>п</u>	318377	Antihypertensive, other	Hypertension, general
Ecgonidine		484-93-5			!	
Ecgonine		481-37-8				
Echothiophate		513-10-0				
Econazole		27220-47-9				

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API G neric Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
meninona	5H-BenzoldInaphth(2,1-b]azepin-12-ol, 11- chloro-6,6a,7,8,9,13b-hexanydro-7-methyl- /6aS.trans [CAS]	112108-01-7	<u> </u>	030270	Ancectic/Antichesity	Obscity
ecopipali	י (ספס-מפוופלי (סרס)	1.0.00.01.5		2007		Openity
Acraprost	diliyaloxy-3-(1-0x00aloxy)-, bulyl esler, (11Aloba 13F 15S)- ICASI	136892-64-3	В	423697	Vasodilator peripheral	Perinheral vascular disease
in the second	for of loor to district	0.0000	<u>.</u>	12000		
Ectylurea		95-04-5				
	9,10-Secocholesta-5,7,10(19)-triene-					
ED-71	(1,3,23-nlo), Z-(3-nguloxypropoxy)-, (1Alpha,28,38,52,7E)- [CAS]	104121-92-8	ם	184206	Osteoporosis treatment	Osteoporosis
000000000000000000000000000000000000000	one, 2,4-dihydro-5-methyl-2-	0 30 00	٤	60408844	No.	lafaration control
edalavorie	prieriyi- [CAS]	0-07-60	5	02100014	Mediopiolective	Illiaicion, cerebrai
Edatrexate		80576-83-6				
Edetate Calcium		62-33-9				
Disodium						
Edetate Disodium		139-33-3				
Edetate Sodium		64-02-8				
Edetate Trisodium		150-38-9				
	Butanamide, N-[[2'-[[4,5-dimethyl-3-					
	isoxazoyl)amino]sulfonyl]-4-(2-					
	oxazoly)][1,1'-biphenyi]-2-yl]methyl]-N,3,3-					
edonentan	Ittinettytt, monorydiate	210891-04-6			Cardiostimulant	Heart failure
	[N-[2-[4,7-Bis[(carboxy-kappaO)methyl]-10 (carboxymethyl)-1,4,7,10- tetraazacyclododec-1-yl- kappaN1,kappaN4,kappaN10]acetyl]-D- phenylalanyl-L-cysteinyl-L-tyrosyl-D-					
	tryptophyl-L-lysyl-L-threonyl-L-cysteinyl-L-threoninol cyclic (2-7)-disulfidato(3-					
edotreotide)]yttrium	204318-14-9	S	6183721	Anticancer, hormonal	Cancer, lung, small cell
edoxudine	Uridine, 2'-deoxy-5-ethyl- [CAS]	15176-29-1	GB GB	1170565	Antiviral, other	Infection, herpes virus, general
Edrecolomab		156586-89-9				
Edrophonium		116-38-1				
Efalith	Butanedioic acid, lithium salt [CAS]	16090-09-8			Antipruritic/inflamm, allergic	Eczema, seborrhoeic

API Generic Name	API Chemical Name	N N N	Patent Referen	Patent Reference	Example of Therapeutic IIce	Example of Indication
	Propanoic acid, 2-[4-[2-[(3,5-dimethyl)anino]-2-	9 10 0 17	٥	705023	47.57.00	
e api oxii ar	סאספווואון לאסוופווסלולווים אס	0-06-871101	3	37.0302.1	Nauto/orientosensinzer	Calicel, Diail
efavirenz	2H-3,1-Benzoxazin-2-one, 6-chloro-4- (cyclopropylethynyl)-1,4-dihydro-4- (trifluoromethyl)-, (S)- [CAS]	154598-52-4	0 _M	9403440	Antiviral, anti-HIV	Infection, HIV/AIDS
efletirizine	[2-[4-[Bis(p-fluoropheny])methyl]-1- piperazinyl]ethoxy]acetic acid	150756-35-7	GB	2311940	Antiallergic, non-asthma	Allergy, general
eflornithine	DL-Ornithine, 2-(difluoromethy))- [CAS]	70052-12-9 67037-37-0	ns	4413141	Protozoacide, dermal, topical	Infection, trypanosomiasis, African, Hirsutism
Efloxate		119-41-5				
eflucimibe	Benzeneacetamide, Alpha-(dodecytthio)-N- (4-hydroxy-2,3,5-trimethylphenyl)- (S)- [CAS]	202340-45-2			Hypolipaemic/Antiatherosclerosis	Hyperlipidaemia, general
	3-pyridinecarboxylic acid, 5-(5,5-dimethyl-1,3.2-dioxaphosphorinan-2-yl)-1,4-dihydro-2,6-dimethyl-4-(3-nitrophenyl)-, 2-	111011-53-1				
efonidipine	(pneny(pnenyimethy))amino)ethyl ester, P-111011-63-3 oxide [CAS]	111011-63-3 111011-76-8	굡	230944	Antihypertensive, other	Hypertension, general
	5-Chloro-4-[3-(N-[2-(3,4-dimethoxyphenyl)ethyl]-N-methylamino]propylamino]-3(2H)-	150800-12-7				
EGIS-7229	pyridazinone fumarate [CAS]	190333-92-7	핌	4243381	Antiarrhythmic	Arrhythmia, general
eglumegad	Bicyclo[3.1.0]hexane-2,6-dicarboxylic acid, 176199-48-7 2-amino-, (15,2S,5R,6S)- [CAS] 209216-09-1	176199-48-7 209216-09-1			Anxiolytic	Anxiety, general
egualen	1-Azulenesulfonic acid, 3-ethyl-7-(1- methylethyl)-,	97683-31-3 99287-30-6	EP	147915	Antiulcer	Ulcer, gastric
Eicosapentaenoic Acid		10417-94-4				
	3-Pyridinepropanoic acid, B-[((3R)-1-[1-oxo-3-(4-piperidinyl)propyl]-3-					
elarofiban	piperidinyl]carbonyl]amino]-, (8S)- [CAS]	198958-88-2	8	9741102	Antithrombotic	Thrombosis, general
Elcatonin		60731-46-6				
Eledoisin		69-25-0				
eletriptan	1H-Indole, 3-((1-methyl-2- pyrrolidinyl)methyl)-5-(2- (phenylsulfonyl)ethyl)- (R)- [CAS]	143322-58-1	SN	5607951	Antimigraine	Migraine

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API Generic Name	API Chemical Name	CAS No.	r atent Reference	Example of Therapeutic Use	Example of Indication
Elgodipine		119413-55-7			
Ellagic Acid		476-66-4			
Elliptinium		58337-35-2			
Eltoprazine		98224-03-4			
elvicitabine	IS-L-2',3'-Didehydro-2',3'-dideoxy-5-	181785.84.2		Antiviral other	Infaction benetitie B virus
	(27)-4-(3 4-dichlorophenyl)-2-[2-(4-				
	(xz/-+('0,+-droing)pilery)/-z-[z-(+-				
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	yl)benzylidene]thiomorpholin-3-one	220322-05-4		,	
organian Fabrus		201343-20-0		Anidepressant	Depleasion, general
CINDELLO		55U-24-3			
Embramine		3565-72-8			
	1H-Benzimidazole, 1-(2-ethoxyethyl)-2-				
	(hexahydro-4-methyl-1H-1,4-diazepin-1-yl)-87233-61-2	87233-61-2			
emedasiine	, (E)-z-butenedioate (T.Z) [CAS]	87.233-62-3	EP (9545	Antiallergic, non-asthma	Khinitis, allergic, general
Emepronium		3614-30-0			
Emetine		483-18-1			
Emitefur		110690-43-2			
-					
	17Alpha-Acetoxy-6Alpha-methyl-19-nor-				
	3,20-dione+Estra-1,3,5(10)-triene-3,17-				
FMM-210525	diol(17B)			Eormulation fixed does combinations	Hormone replacement therew
Emodin		518-82-1			
	3(2H)-Pyridazinone, 4-ethoxy-2-methyl-5-				
emorfazone	(4-morpholinyl)- [CAS]	38957-41-4		Anti-inflammatory	
EMR-62203			WO 9806722	Male sexual dysfunction	Impotence
	2(1H)-Pyrimidinone, 4-amino-5-fluoro-1-(2-				
emtricitabine	(ii) closs (iii) (ii) closs (iii) closs (iii) (iii) (iii) (iii) (iii) (iii)	143491-57-0	WO 9214743	Antiviral, anti-HIV	Infection, HIV/AIDS
Emylcamate		78-28-4			
	L-Proline, 1-[N-[1-(ethoxycarbonyl)-3-				
enalapril	phenylpropyl]-L-alanyl]-, (S)-, (Z)-2- butenedioate [CAS]	76095-16-4	US 4374829	Antihvoertensive renin system	
Enalaprilat		76420-72-9			
Enallyforopymal		1861-21-8			
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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
Encainide		66778-36-7				
Enciprazine		68576-86-3				
Endralazine		39715-02-1				
enfenamic acid	Benzoic acid, 2-[(2-phenylethyl)amino]- [CAS]	23049-93-6	Z	103066	Anti-inflammatory	
enflurane	Ethane, 2-chloro-1-(difluoromethoxy)-1,1,2-trifluoro- [CAS]	13838-16-9	Sn	3469011	Anaesthetic, inhalation	Anaesthesia
Enilconazole		35554-44-0				
Eniluracil		59989-18-3				
ENMD-0995	S-3-amino-phthalidoglutarimide		ns	5712291	Anticancer, other	Cancer, myeloma
Enocitabine		55726-47-1				
Enol-3-IPA	1H-Indole-3-propanoic acid, Alpha-oxo- [CAS]	392-12-1	<u>a</u> .	106813	Hypnotic/Sedative	Insomnia
	1,8-Naphthyridine-3-carboxylic acid, 1-					
enoxacin	piperazinyl)- [CAS]	74011-58-8	S	4359578	Quinolone antibacterial	Infection, general
enoxaparin	Heparin, [CAS]	9005-49-6 9041-08-1	品	40144	Antithrombotic	Thrombosis, venous
enoximone	2H-Imidazol-2-one, 1,3-dihydro-4-methyl-5- [4-(methylthio)benzoyl]- [CAS]	77671-31-9	8	59948	Cardiostimulant	Heart failure
Enoxolone		471-53-4				
enprostil	4,5-Heptadienoic acid, 7-[3-hydroxy-2-(3-hydroxy-4-phenoxy-1-butenyl)-5-oxocyclopentyl]-, methyl ester, [1Alpha,2ß(1E,3R*),3Alpha]- [CAS]	73121-56-9	GB	2025431	Prostaglandin	Ulcer, duodenal
enrasentan	1H-Indene-2-carboxylic acid, 1-(1,3-benzodioxol-5-yl)-2,3-dihydro-3-(2-(2-hydroxyethoxy)-4-methoxyphenyl)-5-propoxy-, (1S-(1Alpha,2ß,3Alpha))- [CAS] 167255-08-8	167256-08-8	sn	5817693	Antihypertensive, other	Hypertension, pulmonary
entacapone	2-Propenamide, 2-cyano-3-(4,5-dihydroxy-3-nitrophenyl)-N,N-diethyl- [CAS]	130929-57-6	БР	426468	Antiparkinsonian	Parkinson's disease
entecavir	6H-Purin-6-one, 2-amino-1,9-dihydro-9- ((1S,3R,4S)-4-hydroxy-3-(hydroxymethyl)- 2-methylenecyclopentyl]- [CAS]	142217-69-4	EP	481754	Antiviral, other	Infection, hepatitis-B virus

API Generic Name	API Chemical Name	CAS No.	Referen	rateint Reference	Example of Therapeutic Use	Example of Indication
Enviomycin		33103-22-9				
epalrestat	3-Thiazolidineacetic acid, 5-(2-methyl-3-phenyl-2-propenylidene)-4-oxo-2-thioxo-, (E,E)- [CAS]	82159-09-9	<u>п</u>	47109	Symptomatic antidiabetic	Neuropathy, diabetic
Epavir	L-lysine-cis-5,8,11,14,17- eicosapentanoate with L-lysine-cis- 4,7,10,13,16,19-doahexanoate				Antiviral, other	Infection, herpes simplex virus
EPC-K1	L-ascorbic acid 2-[3,4-dihydro-2,5,7,8-tetramethyl-2-(4.8,12-trimethyltridecyl)-2H-1-benzopyran-6-yl-hydrogen phosphate]potassium- [CAS]	127061-56-7	П	127471	Neuroprotective	Infarction, cerebral
eperisone	1-Propanone, 1-(4-ethylphenyl)-2-methyl-3 (1-piperidinyl)- [CAS]	64840-90-0	Sn	3995047	Muscle relaxant	Spastic paralysis
epervudine	Uridine, 2'-deoxy-5-(1-methylethyl)- [CAS] 60136-25-6	60136-25-6	딢	2918260	Antiviral, other	Infection, herpes simplex virus
Ephedrine		299-42-3				
Epicillin		26774-90-3				
Epimestrol		7004-98-0				
epinastine	1H-Dibenz[c,f]imidazo[1,5-a]azepin-3-amine, 9,13b-dihydro- [CAS]	80012-43-7	핌	3008944	Antiasthma	Asthma
	(R)-4-[1-hydroxy-2-(methylamino)-ethyl]-1,2-benzenediol					
epinephrine		51-43-4			Formulation, inhalable, dry powder	Anaphylaxis
Epirizole		18694-40-1				
epirubicin	5,12-Naphthacenedione, 10-[(3-amino-2,3,6-trideoxy-Alpha-L-arabino-hexopyranosyl)oxyJ-7,8,9,10-tetrahydro-6,8,11-trihydroxy-8-(hydroxyacetyl)-1-methoxy-, (8S-cis)- [CAS]	56390-09-1 56420-45-2	B O	1457632	Anticancer, antibiotic	
Epitiostanol		2363-58-8	L			
eplerenone	Pregn-4-ene-7,21-dicarboxylic acid, 9,11- epoxy-17-hydroxy-3-oxo-,Gamma-lactone, methyl ester (7Alpha,11Alpha,17Alpha)- [CAS]	107724-20-9	묩	122232	Antihypertensive, diuretic	Hypertension, general

API Generic Name AP			Patent	Ħ		
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1-P	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
-	1-Propanone, 1-(2-fluorophenyl)-3-(4-bydroxynhenyl)- (0-(2-					
(din	(dimethylamino)ethyl)oxime, (Z)-, (E)-2-					
eplivanserin but	butenedioate (2:1) (salt) [CAS]	130580-02-8	EP	373998	Anxiolytic	Schizophrenia
Pro	Prosta-5,13-dien-1-oic acid, 6,9-epoxy-					
11,	11,15-dihydroxy-,	35121-78-9				
epoprostenol (5Z	(5Z,9Alpha,11Alpha,13E,15S)-[CAS]		핌	2720999	Prostaglandin	Hypertension, pulmonary
Epostane		80471-63-2				
Eprazinone		10402-90-1				
Epristeride		119169-78-7				
	3-[2-Butyl-1-(4-carboxybenzyl)-1H- imidazol-5-yl]-2-(2-thienylmethyl)-2-(E)-					
pro	propenoic acid					
eprosartan			EP	403159	Antihypertensive, renin system	Hypertension, general
Eprozinol		32665-36-4				
4-n	4-methyl-2-[4-(4-(pyrimidin-2-yl)- piperazino)-bulyll-2H,4H-1,2,4-triazin-3,5-					
eptapirone dione	one .	179756-85-5			Antidepressant	Depression, general
Pla :	Platinum, [(4R,5R)-2-(1-methylethyl)-1,3-					
olb .	dioxolane-4,5-dimethanamine-					
kap jeptaplatin kap	kappaN4,kappaN5 propanedioato(2-)- kappaO1,kappaO3]-, (SP-4-2)- [CAS]	146665-77-2	W W	9216539	Anticancer, alkylating	Cancer, lung, small cell
Eptastigmine		101246-68-8				
1,6	1,6-Methano-1H-4-benzazonin-10-ol, 2.3.4,5.6.7-hexahvdro-1,4-dimethyl-, (1S)-					
eptazocine [CA	[CAS]	72522-13-5	ns	4082744	Analgesic, other	
Eptifibatide		188627-80-7				
Equilenin		517-09-9				
Equilin		474-86-2				
ERA-923 ER	ERA 923 [CAS]	352233-89-7	EP	802183	Female contraceptive	Contraceptive, female
Ace erdosteine thie	Acetic acid, [[2-oxo-2-[(tetrahydro-2-oxo-3-thienyl)aminolethyllthiol- [CAS]	84611-23-4	П	61386	Respiratory	Respiratory disease, general
nine		564-36-3				
Ergocorninine		564-37-4				
Ergoloid Mesylates	1.000 1	8067-24-1				
Ergonovine		60-79-7				
Ergosterol		57-87-4				

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API Generic Name	API Chemical Name	CAS No	Patent Reference		Example of Therapeutic Use	Example of Indication
	(5 Alpha)-12'-Hydroxy-2'methyl-					
ergotamine		113-15-5			Formulation, inhalable, systemic	Migraine
Eritadenine		23918-98-1				
	4-Quinazolinamine, N-(3-ethynylphenyl)- 6 7-bis(2-methoxyethoxy)-					
erlotinib	monohydrochloride [CAS]	183319-69-9	WO 9630347		Anticancer, other	Cancer, lung, non-small cell
	1-Azabicyclo[3.2.0]hept-2-ene-2-carboxylic					
	carboxyphenyl)amino]carbonyl]-3- purrolidinyl]thio]-6-1/185.1-hydroxyathyl].4	152772.80.1				
ertapenem	methyl-7-oxo-, [CAS] 153832-46-3		WO 9315078		Beta-lactam antibiotic	Infection, GI tract
Erythrityl Tetranitrate		7297-25-8				
Erythrocentaurin		50276-98-7				
	Erythromycin, 2-acetate, octadecanoate					
erythromycin acistrate	(salt) [CAS]		US 4599326		Macrolide antibiotic	Infection, general
Erythromycin Estolate		3521-62-8				
Erythromycin		23067-13-2				
Glucoheptonate						
Erythromycin		3847-29-8				
Lactobionate						
Erythromycin		134-36-1				
Propionate			_			
Erythromycin Stearate		643-22-1				
	Erythromycin, 2'-propanoate, compd. with					Infection, respiratory tract,
erythromycin stinoprate	(1:1) [CAS]	6	EP 57489		Macrolide antibiotic	lower
erythromycin	Erythromycin [CAS]	114-07-8			Formulation, dermal, topical	Acne
Erythrophleine		36150-73-9				
Esaprazole		64204-55-3				
	5-Isobenzofurancarbonitrile, 1-[3-(dimethylamina)propyl][4-fligrophenyl].					
escitalopram			EP 347066		Antidepressant	Depression, general
Esculin		531-75-9				
Eseridine		25573-43-7				

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API Generic Name	-	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
_	Benzenepropanoic acid, 4-[2-hydroxy-3-[(1 methylethyl)amino]propoxy]-, methyl ester,					
esmoloi		81147-92-4	SN	4387103	Antihypertensive, adrenergic	Tachycardia, supraventricular
	bis (5-methoxy-2-(((4-methoxy-3,5-dimethyl-2-pyridinyl)methyl)sulfinyl)-1H-benzimidazolato)					
esomeprazole		161973-10-0	S	5877192	Antispasmodic	Gastro-oesophageal reflux
	4H-[1,2,4]Triazolo[4,3-a][1,4]benzodiazepine, 8-chloro-6-phenyl-					
estazolam	[CAS]	29975-16-4	S	3987052	Hypnotic/Sedative	
estradiol	Androst-4-en-3-one, 17-hydroxy-, (1713)- [CAS]	58-22-0	<u>s</u>	5460820	Formulation, transdermal, patch	Sexual dysfunction, female
estradiol	Estra-1,3,5(10)-triene-3,17-diol (17ß)- CAS	50-28-2	a.	430491	Formulation, transdermal, systemic	Menopausal symptoms, general
-		2998-57-4 4891-15-0				
Estriol	[bis(2-chloroethy))carbamate] 17- [CAS]	52205-73-9			Anticancer, alkylating	Cancer, prostate
ration		1-17-00				Menopausal symptoms,
estrogen			8	9924041	Menopausal disorders	general
Estrone		53-16-7				
.						
eszopicione	pyrrolo(3,4-b)pyrazin-5-yl ester (5)- [CAS]	138/29-47-2	3	5/8035/	Hypnotic/Sedative	Insomnia
Etafedrine		7681-79-0				
Etafenone		90-54-0				
Etamiphyllin		314-35-2				
Etanercept		185243-69-0				
Etanidazole		22668-01-5				
Etaqualone		7432-25-9				
Eterobarb		27511-99-5				
Ethacridine		442-16-0				
Ethacrynic Acid		58-54-8				
Ethadion		520-77-4				
Ethambutol		74-55-5				
Ethamivan		304-84-7				

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API Generic Name	API Chemical Name	CAS No.	Reference		Example of Therapeutic Use	Example of Indication
Ethamsylate		2624-44-4				
Ethanolamine		141-43-5				
Ethaverine		486-47-5				
Ethchlorvynol		113-18-8				
Ethenzamide		938-73-8				
Ethiazide		1824-58-4				
Ethinamate		126-52-3				
Ethinyl Estradiol		57-63-6				
	19-Norpregna-1,3,5(10)-trien-20-yne-3,17-diol, 3-(2-propanesulfonate), (17Alpha)-					
ethinyl estradiol		28913-23-7	DE 1949	1949095	Formulation, modified-release, >24hr	Cancer, prostate
Ethionamide		536-33-4				
Ethisterone		434-03-7				
Ethoheptazine		9-51-77				
Ethopropazine		522-00-9				
Ethosuximide		77-67-8				
Ethotoin		86-35-1				
Ethoxzolamide		452-35-7				
Ethybenztropine		524-83-4				
Ethyl Alcohol		64-17-5				
Ethyl Biscoumacetate		548-00-5				
Ethyl Chloride		75-00-3				
Ethyl Dibunate		5560-69-0				
Ethyl Ether		60-29-7				
	5,8,11,14,17-Eicosapentaenoic acid, ethyl					
ethyl icosapentate	ester, (all-Z)- [CAS]	86227-47-6	JP 610	61043143	Antithrombotic	Peripheral vascular disease
	1H-1,4-Benzodiazepine-3-carboxylic acid, 7-chloro-5-(2-fluorophenyl)-2.3-dihydro-2-					
ethyl loflazepate	oxo-, ethyl ester [CAS]	29177-84-2	US 365	3657223	Anxiolytic	Anxiety, general
Ethyl Loflazepate		29177-84-2				
Ethylamine		75-04-7				
Ethylene		74-85-1				
Ethylestrenol		965-90-2				
Ethylidene Dicoumarol		1821-16-5				

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	API Chemical Name		Refe	Reference	Example of Therapeutic Use	Example of Indication
Ethylmethylthiambutene		441-61-2				
Ethylmorphine		76-58-4				
Ethylnorepinephrine		536-24-3				
Ethynodiol		1231-93-2				
	Uridine, 3'-C-ethynyl- [CAS]	180300-49-6	0M	9618636	Anticancer, antimetabolite	Cancer, general
Etidocaine		36637-18-0				
P	Phosphonic acid, (1-hydroxyethylidene)bis-2809-21-4		51	4137300	Ostamarosis traatment	Octoorogie
c Acid		4		8		
Etifelmin		341-00-4				
etifoxine el	4H-3,1-Benzoxazin-2-amine, 6-chloro-N-ethyl-4-methyl-4-phenyl- [CAS]	21715-46-8	ns 3	3725404	Anxiolytic	
Etilefrin		709-55-7				
etilevodopa	L-Tyrosine, 3-hydroxy-, ethyl ester (CAS)	37178-37-3	Sn	5354885	Antiparkinsonian	Parkinson's disease
(C) (C)	androsta-1,4-diene-17-carboxylic acid, 17- [(dichloroacetyl)oxy]-11-hydroxy-3-oxo-, ethyl ester, (118, 17Apha)-					
etiprednol		199331-40-3	_		Gl inflammatory/bowel disorders	Crohn's disease
Etiroxate		17365-01-4				
Etizolam		40054-69-1				
etodolac di	Pyrano[3,4-b]indole-1-acetic acid, 1,8-diethyl-1,3,4,9-tetrahydro- [CAS]	41340-25-4	SN 3	3939178	Antiarthritic, other	Arthritis, osteo
Etodroxizine		17692-34-1				
B (t etofenamate	Benzoic acid, 2-[[3- (trifluoromethyl)phenyljamino]-, 2-(2- hydroxyethoxy)ethyl ester [CAS]	30544-47-9	GB 1	1285400	Anti-inflammatory, topical	Inflammation, general
etofibrate	3-Pyridinecarboxylic acid, 2-[2-(4- chlorophenoxy)-2-methyl-1- oxopropoxy]ethyl ester [CAS]	31637-97-5	Sn	3723446	Hypolipaemic/Antiatherosclerosis	
Etofylline		519-37-9				
P m etofylline clofibrate 2	Propanoic acid, 2-(4-chlorophenoxy)-2- methyl-, 2-(1,2,3,6-tetrahydro-1,3-dimethyl- 2,6-dioxo-7H-purin-7-yl)ethyl ester [CAS]	54504-70-0	DE 2	2308826	Hypolipaemic/Antiatherosclerosis	
Etofylline Nicotinate		13425-39-3				

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
Etoglucid		1954-28-5				
Etomidate		33125-97-2	1			
Etomidoline		21590-92-1				
Etonitazene		911-65-9				
etonogestrel	18,19-Dinorpregn-4-en-20-yn-3-one, 13-ethyl-17-hydroxy-11-methylene, (17Alpha)-[CAS]	54048-10-1			Formulation, implant	Contraceptive, female
Etoperidone		52942-31-1				
	Furo[3',4':6,7]naphtho[2,3-d]-1,3-dioxol-					
	glucopyranosyl)oxy]-5,8,8a,9-tetrahydro-5-					
etoposide	(4-hydroxy-3,5-dimethoxyphenyl)-, [5R- [5Alpha 5aß 8aAlpha 9ß(R*)]]- [CAS]	33419-42-0		1205966	Anticancer other	Cancer testionlar
			_			
	Furo[3',4':6, /]naphtho[2,3-d]-1,3-dioxol- 6(5aH)-one, 5-[3,5-dimethoxy-4-	,				
	(phosphonooxy)phenyl]-9-[(4,6-0-					
	emylidene-is-D-glucopyranosyi)oxyj- 5.8.8a.9-tetrahydro-, [5R-					
etoposide phosphate	[5Alpha,5aß,8aAlpha,9ß(R*)]]- [CAS]	117091-64-2	<u>a</u>	302473	Anticancer, other	Cancer, testicular
etoricoxib	2,3-Bipyridine, 5-chloro-6'-methyl-3-(4- (methylsulfonyl)phenyl) [CAS]	202409-33-4	8	9803484	Antiarthritic, other	Arthritis, osteo
Etoxadrol		7				
Etozolin		73-09-6				
	2,4,6,8-Nonatetraenoic acid, 9-(4-methoxy-					
etretinate	z,s,b-trimetnylpnenyl)-3,7-dimetnyl-, ethylester, (all-E)- [CAS]	54350-48-0	Sn	4215215	Antipsoriasis	
Etryptamine		2235-90-7				
Etymemazine		523-54-6				
Eucatropine		100-91-4				
Eugenol		97-53-0				
	Manganese, chloro[[2,2'-[1,2-ethanediylbis[(nitrilo-kappaN)methylidynellbis(6-					
	methoxyphenolato-kappaOJJ-, (SP-5-13)-					
EUK-134	[CAS]	81065-76-1	ട	6046188	Cardiovascular	Unspecified

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
EUK-189			SN	6046188	Radio/chemoprotective	Chemotherapy-induced injury, general
Evan's Blue		314-13-6				
everolimus	Rapamycin, 42-O-(2-hydroxyethyl)- [CAS] 159351-69-6		8	9409010	Immunosuppressant	Transplant rejection, general
exalamide	Benzamide, 2-(hexyloxy)- [CAS]	53370-90-4	GB	726786	Antifungal	Infection, fungal, general
Exametazime		105613-48-7				The state of the s
	10H,13H-Benzoldelpyrano[3',4':6,7]indolizino[1,2-b]quinoline-10,13-dione, 1-amino-9-ethyl-5-fluoro-1,2,3,9,12,15-hexahydro-9-hydroxy-					
exatecan	4-methyl-, (1S,9S)-, [CAS]	171335-80-1			Anticancer, other	Cancer, pancreatic
exemestane	Androsta-1,4-diene-3,17-dione, 6- methylene- [CAS]	107868-30-4	吕	3622841	Anticancer, hormonal	Cancer, breast
Exifone		52479-85-3				
exisulind	1H-Indene-3-acetic acid 5-fluoro-2-methyl- 1-((4-(methylsulfonyl)phenyl)methylene)-, (Z)- [CAS]	59973-80-7			Anticancer, other	Polyp
Exosurf®		99732-49-7				
ezetimibe	2-Azetidinone, 1-(4-fluorophenyl)-3-[(3S)-3 (4-fluorophenyl)-3-hydroxypropyl]-4-(4- hydroxyphenyl)-, (3R,4S)- [CAS]	163222-33-1	Sn	5846966	Hypolipaemic/Antiatherosclerosis	Hypercholesterolaemia
Factor IX		9001-28-9				
Factor VIII		9001-27-8				
Factor XIII		9013-56-3				
fadolmidine	1H-Inden-5-ol, 2,3-dihydro-3-(1H-imidazol- 4-ylmethyl)-, monohydrochloride [CAS]	189353-32-0	WO	9712874	Analgesic, other	Pain, general
Fadrozole		102676-47-1				
falecalcitriol	9,10-Secocholesta-5,7,10(19)-triene- 1,3,25-triol, 26,26,26,27,27,27-hexafluoro- , (1Alpha,38,52,7E)- [CAS]	83805-11-2	굨	03099022	Osteoporosis treatment	Hyperparathyroidism
famciclovir	1,3-Propanediol, 2-[2-(2-amino-9H-purin-9-yl)ethyl]-, diacetate (ester)- [CAS]	104227-87-4	٩	61085388	Antiviral, other	Infection, gynaecological

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
	Propanimidamide, 3-[[[2- [(aminoiminomethyl)amino]-4- thiazolyl]methyl]thio]-N-(aminosulfonyl)-					
famotidine	[CAS]	76824-35-6	S	4283408	Antiulcer	Ulcer, duodenal
fampridine	4-pyridinamine	504-24-5			Neuroprotective	Spinal cord injury
	3-Quinolinecarboxylic acid, 6-fluoro-1-(5- fluoro-2-ovridinyl)-1 4-dibydro-7-(4-methyl, 164150-85-0	164150-85-0				
fandofloxacin	1-piperazinyl)-4-oxo, [CAS]	164150-99-6	SN	5496947	Quinolone antibacterial	Infection, urinary tract
Fantofarone		114432-13-2				
	(5R,6S)-6-[1(R)-Hydroxyethyl]-2-[2(R)-					
faropenem daloxate	tetrahydrofuryl}-2-penem-3-carboxylic acid- 5-methyl-2-oxo-1,3-dioxol-4-ylmethyl ester-				Beta-lactam antibiotic	Infection, general
	4-Thia-1-azabicyclo[3 2 Olhent-2-ene-2-					
	carboxylic acid, 6-(1-hydroxyethyl)-7-oxo-3-					
faropenem	(tetranguro-z-rutangt)-, [3R- [3(R*),5Alpha,6Alpha(R*)]]-[CAS]	122547-49-3	Ш	410727	Beta-lactam antibiotic	Infection, ocular
	L-Alanine, N-[(2S)-3-(acetylthio)-2-(1,3-					
fasidotril	benzodioxol-5-ylmethyl)-1-oxopropyl]-, phenylmethyl ester [CAS]	135038-57-2	a a	419327	Antihypertensive, renin system	Hypertension, general
	1H-1 4-Diazepine hexahydro-1-(5-	103745-39-7	Т			
fasudil	isoquinolinylsulfonyl)- [CAS]	105628-07-7	Ш	187371	Neuroprotective	Vasospasm, general
Fazadinium Bromide		49564-56-9				
	2,4,6(1H,3H,5H)-Pyrimidinetrione, 1-[2- [faminocarbony])oxyl-3-butoxypropyll-5-					
febarbamate	ethyl-5-phenyl- [CAS]	13246-02-1	SN	3075983	Psychostimulant	
Febuprol		3102-00-9				
	5-Thiazolecarboxylic acid, 2-[3-cyano-4-(2-					
febuxostat	/)phenyl]-4-methyl- [CAS]	144060-53-7	8	9209279	Antigout	Hyperuricaemia
Fedotozine		123618-00-8				
felhamate	1,3-Propanediol, 2-phenyl-, dicarbamate	25AE1 15 A	2	4868377	Antioniloutio	Enjoyed general
folkingo	(14.1 Dinhow) 4 continuous (CAC)	4-01-10-62	3 6	407040	Anticipation of the control of the c	Lpileboy, general
Idioliac	[1,1 -pipilenyl]-t-acetic acid [CAS]	6-70-07/0	5	12/040	Anti-initiatory, topical	
felodioine	3,5-Pyridinedicarboxylic acid, 4-(2,3-dichlorophenyl)-1,4-dihydro-2,6-dimethyl-,ethyl methyl ester ICASI	72509-76-3	<u>v.</u>	4264611	Antihynertensive other	Hypertension peneral
Folymorein	four long disputition	FE 50 7	3		sample consists, one	and the second of the second o
reiypiessiii		/-AC-0C				

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API Generic Name	API Chemical Name	CAS No	Refe	ratent Reference	Example of Therapeutic Use	Example of Indication
Femoxetine		59859-58-4				
Fenbenicillin		1926-48-3				
fenbufen	[1,1'-Biphenyl]-4-butanoic acid, Gamma- oxo- [CAS]	36330-85-5	Sn	3784701	Anti-inflammatory	
Fenbutrazate		4378-36-3				
Fencamfamine		1209-98-9				
Fencamine		28947-50-4				
Fenclozic Acid		17969-20-9				
Fendiline		13042-18-7				
Fendosal		53597-27-6				
Fenethylline		3736081				
Fenfluramine		458-24-2				
Fenipentol		583-03-9				
	Propanoic acid, 2-[4-(4-					
	chlorobenzoyl)phenoxy]-2-methyl-, 1-	26129-32-8				
fenofibrate	methylethyl ester [CAS]	49562-28-9			Formulation, modified-release, <=24hr Hyperlipidaemia, general	Hyperlipidaemia, general
	1H-3-Benzazepine-7,8-diol, 6-chloro-					
: 	2,3,4,5-tetrahydro-1-(4-hydroxyphenyl)-	67227-56-9			:	
fenoidopam	[CAS]	67227-57-0	ᇤ	22330	Antihypertensive, other	Hypertension, general
Fenoprofen		31879-05-7				The state of the s
Fenoterol		13392-18-2				
	10H-Phenothiazine, 10-[[4-(1,3-					
	benzodioxol-5-ylmethyl)-1-	0	{			
Fonovazolina	piperaziriyijacety iTCASI	3/301-2/-0 4846-91-7	۲	502502	Anaspasinouic	
Fenoxedil		54063-40-0				
Fenozolone		15302-16-6				
Fenpentadiol		15687-18-0				
Fenpiprane		3540-95-2				
Fenpiverinium Bromide		125-60-0				
		15000 64 0				
Valodoid I		0-10-0001				
renquizone		2028/-3/-0				
fenretinide	Retinamide, N-(4-hydroxyphenyl)- [CAS]	65646-68-6	뀖	847942	Anticancer, other	Cancer, breast
Fenspiride		5053066				

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Ari Genenic Manne	Ari Chemical Ivallic	, CAO	וצפופ	ובוונפ		Evallation of marganet
fentanyl	Propanamide, N-pnenyl-N-[1-(2- phenylethyl)-4-piperidinyl]- [CAS]	437-38-7			Formulation, transmucosal, systemic	Anaesthesia, adjunct
Fentiazac		18046-21-4				
Fenticlor		97-24-5				
- e	1H-Imidazole, 1-[2-(2,4-dichlorophenyl)-2- [[4-(phenylthio)phenyl]methoxy]ethyl]- [CAS]	72479-26-6 73151-29-8	Sn	4221803	Antifungal	Infection, gynaecological
Fentonium Bromide		5868064				
fepradinol	36981-91-6 Benzenemethanol, Alpha-[[(2-hydroxy-1,1-67704-50-1 dimethylethyl)amino]methyl], (+/-)- [CAS] 63075-47-8	36981-91-6 67704-50-1 63075-47-8			Anti-inflammatory, topical	
Feprazone		30748-29-9				
Ferric Sodium Edetate		15708-41-5				
ferrioxamine B			8	9426263	Septic shock treatment	Respiratory distress syndrome, adult
Ferrocholinate		1336-80-7				
Ferrous Gluconate		299-29-6				
ferumoxytol	Polyglucose sorbitol carboxymethyl ether- coated non-stoichiometric magnetite				Imaging agent	Diagnosis, cancer
fesoterodine	2-((1R)-3-(bis(1-methylethyl)amino)-1- phenylpropyl)-4-(hydroxymethyl)Phenyl ester, (2E)-2-butenedioate (1:1) (Salt) - [CAS]	286930-03-8			Urological	Incontinence
fexofenadine	Benzeneacetic acid, 4-[1-hydroxy-4- [4(hydroxydiphenylmethyl)-1- piperidiny][butyl]-Alpha,Alpha-dimethyl-, [CAS]	153439-40-8 83799-24-0 138452-21-8	S	5375693	Antiallergic, non-asthma	Rhinitis, allergic, seasonal
Fibrostat			క	2132416	Vulnerary	Wound healing
fidarestat	Spiro(4H-1-benzopyran-4,4'-imidazolidine)-2-carboxamide, 6-fluoro-2,3-dihydro-2',5'-dioxo-, (2S-cis)-, [CAS]	136087-85-9	EP	418834	Symptomatic antidiabetic	Neuropathy, diabetic

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API G neric Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
	8-Phenyl-3-[4-[(3aR,9bR)-1,3a,4,9b-					
	tetrahydro-9-methoxy[1]benzopyrano[3,4-c]pyrrol-2(3H)-					
	yijbutyijpyrazino[2,3:4,5]tnieno[3,2- d]pyrimidine-2,4(1H,3H)-dione					
fiduxosin		208993-54-8			Prostate disorders	Benign prostatic hyperplasia
	4-Azaandrost-1-ene-17-carboxamide, N- (1.1-dimethylethyl)-3-oxo-, (5Alpha,178)-					
finasteride	[cAs]	98319-26-7	Eb	155096	Prostate disorders	Benign prostatic hyperplasia
	Benzonitrile, 4-(3-(4-fluorophenyl)-2- hydroxy-1-(1H-1,2,4-triazol-1-yl)-propyl)-					
finrozole	[CAS]	160146-16-7	<u>.</u>	476944	Urological	Urinary retention
Fipexide		34161-24-5				
FK-960	N-(4-Acetyl-1-piperazinyl)-4- fluorobenzamide monohydrate- [CAS]	133920-70-4	NO W	9101979	Cognition enhancer	Alzheimer's disease
Flavopiridol		146426-40-6				
	4H-1-Benzopyran-8-carboxylic acid, 3-methyl-4-oxo-2-phenyl- 2-(1-	15301-69-6				
flavoxate	piperidinyl)ethyl ester [CAS]		Sn	2921070	Urological	
flecainide	Benzamide, N-(2-piperidinylmethyl)-2,5-bis(2,2,2-trifluoroethoxy)-,[CAS]	54143-55-4 54143-56-5			Formulation, modified-release, <=24hr Fibrilation, atrial	Fibrillation, atrial
	3-Quinolinecarboxylic acid, 6,8-difluoro-1- (2-fluoroethyl)-1,4-dihydro-7-(4-methyl-1-		1	0000		
Flesinoxan	piperazinyi)-4-0x0- [CA5]	7900-72-3	3	4398029	Quinolone antibacterial	Infection, general
	2H-Benzimidazol-2-one 13-dihydro-1-(2-					
flibanserin	(4-(3-(trifluoromethyl)phenyl)-1- piperazinyl)ethyl)- [CAS]	167933-07-5			Reproductive/gonadal, general	Sexual dysfunction, female
	Benzoic acid, 2-[[8-(trifluoromethyl)-4- quinolinyl]amino]-, 2,3-dihydroxypropyl					
floctarenine	ester [CAS]	23//9-99-9	S	3644368	Anaigesic, NSAIU	
	5-Oxa-1-azabicyclo[4.2.0]oct-2-ene-2- carboxylic acid, 7- [[[(difluoromethy))thio]acety Jamino]-3-[[[1- (2-hydroxyethyl)-1H-tetrazol-5-					
flomoxef	yljthio]methyl]-7-methoxy-8-oxo-, (6R-cis)- 92623-03-5 [CAS]		Щ.	128536	Cephalosporin, injectable	Infection, general

API Generic Name	API Chemical Name	CAS No.	Referen	ratent Reference	Example of Therapeutic Use	Example of Indication
Flopropione		2295-58-1				
Florantyrone		519-95-9				
Flosequinan		76568-02-0				
Floxacillin		5250-39-5				
Floxuridine		50-91-9				
Fluacizine		30223-48-4				
Fluanisone		1480-19-9				
fluasterone	Androst-5-en-17-one, 16-fluoro-, (16Alpha)- [CAS]	112859-71-9	品	246650	Cardiovascular	Keratosis
fluazacort	5H-Pregna-1,4-dieno[17,16-d]oxazole-3,20-dione, 21-(acetyloxy)-9-fluoro-11-hydroxy-2'-methyl-, (118,16ß)- [CAS]	19888-56-3	೪	3461119	Antipruritic/inflamm, non-allergic	
Flucloronide		3693-39-8				
flucloxacillin		1847-24-1 34214-51-2			Formulation, other	Infection, general
fliconazole	1H-1,2,4-Triazole-1-ethanol, Alpha-(2,4-difluorophenyl)-Alpha-(1H-1,2,4-triazol-1-ylmethyl)- ICASI	A 7-2-88-38	9	96569	Antifingal	Infection dermatolonical
Flucytoeina	Town Manual	2022-85-7	<u> </u>	3		,
r iucytosiiie		1-00-7707				
fludarabine	9H-Purin-6-amine, 2-fluoro-9-(5-O-phosphono-6-D-arabinofuranosyl)- [CAS]	75607-67-9 21679-14-1	S	4357324	Anticancer, antimetabolite	Cancer, leukaemia, chronic lymphocytic
Fludeoxyglucose F₁8		105851-17-0				
Fludiazepam		3900-31-0				
Fludrocortisone		127-31-1				
Flufenamic Acid		530-78-9				
Fluindione		957-56-2				
	147 7					
flumazenil	methyl-6-oxo-, ethyl ester [CAS]	78755-81-4	ᇜ	27214	Neurological	
Flumecinol		56430-99-0				
Flumequine		42835-25-6				
Flumethasone		2135-17-3				
Flumethiazide		148-56-1				

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API Generic Name	API Chemical Name	CAS No.	Ref	Reference	Example of Therapeutic Use	Example of Indication
flunarizine	30484-77-6 Piperazine, 1-[bis(4-fluorophenyl)methyl]-4-52468-60-7 (3-phenyl-2-propenyl)-,(E)- [CAS]	30484-77-6 52468-60-7 27848-84-6	GB	1268710	Antimigraine	
flunisolide	Pregna-1,4-diene-3,20-dione, 6-fluoro- 11,21-dihydroxy-16,17-[(1- methylethylidene)bis(oxy)]-, (6Alpha,118,16Alpha)- [CAS]	3385-03-3	SN	3124571	Antiasthma	Rhinitis, allergic, general
flunitrazepam	2H-1,4-Benzodiazepin-2-one, 5-(2-fluorophenyl)-1,3-dihydro-1-methyl-7-nitro-[CAS]	1622-62-4	SU	3116203	Hypnotic/Sedative	
Flunoxaprofen		66934-18-7				
Fluocinolone Acetonide		67-73-2				
Fluocinonide		356-12-7	ļ			
Fluocortin Butyl		41767-29-7				
Fluocortolone		152-97-6				
Fluorescein		2321-07-5				
Fluoresone		2924-67-6				
Finorometholone		426-13-1				
Fluorosalan		4776061				
fluorouracil	2,4(1H,3H)-Pyrimidinedione, 5-fluoro- [CAS]	51-21-8			Formulation, transdermal, enhanced	Keratosis
fluoxetine	Benzenepropanamine, N-methyl-Gamma- [4-(trifluoromethyl)phenoxy]-, (+/-)- [CAS]	54910-89-3 56296-78-7	SN	4314081	Antidepressant	Depression, general
Fluoxymesterone		76-43-7				
Flupentixol		2709-56-0				
Fluperolone		2119-75-7				
Fluphenazine		69-23-8				
	Carbamic acid, [2-amino-6-[[(4- fluorophenyl)methyl]aminol-3-pyridinyll-,	33400-45-2 56995-20-1				
flupirtine	ethyl ester [CAS]	75507-68-5	വ	4481205	Analgesic, other	Pain, post-operative
Fluprednidene Acetate		1255-35-2				
Fluprednisolone		53-34-9	ļ			
Fluproquazone		40507-23-1				

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
Flurandrenolide		1524-88-5				
Flurazepam		17617-23-1				
flurbiprofen	[1,1'-Biphenyl]-4-acetic acid, 2-fluoro- Alpha-methyl- [CAS]	5104-49-4	SN	3793457	Anti-inflammatory	
Gurithromozin	Erythromycin, 8-fluoro-mono(ethyl	82730.23.2	ü	56201	Macrolide antibiotic	Infection, respiratory tract,
Plane monty and		02/30-23-2 0E00 4E E		10700	אמכוסוים מוווחסונס	
Fiurogestone		C-C4-A7C7				
Flurothyl		333-36-8				
Flurox n		406-90-6				
Fluspirilene		1841-19-6				
flutamide	Propanamide, 2-methyl-N-[4-nitro-3- (trifluoromethyl)phenyl]- [CAS]	13311-84-7	SN	4329364	Anticancer, hormonal	
	Oxazolo[3,2-d][1,4]benzodiazepin-6(5H)-					
	one, 10-chloro-11b-(2-fluorophenyl)-					
,	2,3,7,11b-tetrahydro-7-(2-hydroxyethyl)-				,	
flutazolam	[CAS]	27060-91-9	S	3905956	Anxiolytic	
	Androsta-1,4-diene-17-carbothioic acid,					
	6,9-difluoro-11,17-dihydroxy-16-methyl-3-	0.44.47.00				
fluticasone	oxo-, s-(indolomenty) ester, (6Alpha,118,16Alpha,17Alpha)- [CAS]	90566-53-3			Formulation, inhalable, solution	Asthma
	2H-1 4-Benzodiazenin-2-one 7-chloro-1-					
	(cyclopropylmethyl)-5-(2-fluorophenyl)-1 3-					
flutoprazepam	dihydro- [CAS]	25967-29-7	g _B	1253368	Anxiolytic	Psychosis, general
flutrimazole	1H-Imidazole, 1-[(2-fluorophenyl)(4- fluorophenyl)phenylmethyll- [CAS]	119006-77-8	<u>a</u>	352352	Antifungal	Infection, dermatological
Flutropium Bromide		63516-07-4				
	6-Heptenoic acid, 7-{3-(4-fluorophenyl)-1- (1-methylethyl)-1H-indol-2-yl]-3,5- dibydrox- monosodium salf [R* S*./F)]. 93957-55-2	93957-55-2				
fluvastatin	(±)-[CAS]	93957-54-1	EP	114027	Hypolipaemic/Antiatherosclerosis	Hypercholesterolaemia
	نو					Depression, general,
	(trifluoromethyl)phenyl]-O-(2-	54739-18-3		4505000	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Obsessive-compulsive
nuvoxarnine	aminoethyl)oxime, (E)- [CA5]	6-79-91/19	3	1535226	Antidepressant	aisoraer
Folic Acid		59-30-3				
Folinic Acid	The state of the s	58-05-9				
Fomepizole		7554-65-6				

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API Generic Name	API Chemical Name	CAS No.	Patent Reference	it ence	Example of Therapeutic Use	Example of Indication
	Benzamide, N-[3-chloro-2-[[methyl[2-(4-	180E2.31.1				•
fominoben	oxoethyl]amino]methyl]phenyl]- [CAS]		 Sn	3661903	Respiratory stimulant	Eczema, general
Fomivirsen		144245-52-3				
Fomocaine		17692-39-6				
Fonazine		7456-24-8				
	Alpha-D-Glucopyranoside, methyl O-2-deoxy-6-O-sulfo-2-(sulfoamino)-Alpha-D-glucopyranosyl-(1-4)-O-8-D-glucopyranuronosyl-(1-4)-O-2-deoxy-3,6-di O-sulfo-2-(sulfoamino)-Alpha-D-glucopyranosyl-(1-4)-O-2-O-sulfo-Alpha-L-idopyranosyl-(1-4)-O-2-O-sulfo-Alpha-L-idopyraninonosyl-(1-4)-O-2-O-sulfo-Alpha-D-idopyraninonosyl-(1-4)-O-2-O-sulfo-Alpha-D-idopyraninonosyl-(1-4)-O-2-O-sulfo-Alpha-D-idopyraninonosyl-(1-4)-O-2-O-sulfo-Alpha-D-idopyraninonosyl-(1-4)-O-2-O-sulfo-Alpha-D-idopyraninonosyl-(1-4)-O-2-O-sulfo-Alpha-D-idopyraninonosyl-(1-4)-O-2-O-sulfo-Alpha-D-idopyraninonosyl-(1-4)-O-2-O-sulfo-Alpha-D-idopyraninonosyl-(1-4)-O-2-O-sulfo-Alpha-D-idopyraninonosyl-(1-4)-O-2-O-sulfo-Alpha-D-idopyraninonosyl-(1-4)-O-2-O-sulfo-Alpha-D-idopyraninonosyl-(1-4)-O-2-O-sulfo-Alpha-D-idopyraninonosyl-(1-4)-O-2-O-sulfo-Alpha-D-idopyraninonosyl-(1-4)-O-2-O-sulfo-Alpha-D-idopyraninonosyl-(1-4)-O-2-O-sulfo-Alpha-D-idopyraninonosyl-(1-4)-O-2-O	104093-28-4				
fondaparinux	[CAS]	114870-03-0			Anticoagulant	Thrombosis, venous
Formebolone		2454117				
formestane	Androst-4-ene-3,17-dione, 4-hydroxy- [CAS]	566-48-3	EP 3	346953	Anticancer, hormonal	Cancer, breast
Formocortal		2825-60-7				
formoterol	Formamide, N-[2-hydroxy-5-[1-hydroxy-2- [[2-(4-methoxyphenyl)-1- methylethyl]amino]ethyl]phenyl]-, (R*,R*)- (+/-)- [CAS] 73573-87-2		GB 1	1415256	Antiasthma	Asthma
fosamprenavir	Carbamic acid, ((1S,2R)-3-(((4-aminophenyl)sulfonyl)(2-methylpropyl)amino)-1-(phenylmethyl)-2-(phosphonooxy)propyl)- C-((3S)-tetrahydro 3-furanyl ester, [CAS]	226700-81-8			Antiviral, anti-HIV	Infection, HIV/AIDS
foscarnet	Phosphinecarboxylic acid, dihydroxy-, oxide, trisodium salt [CAS]	34156-56-4 4428-95-9 63585-09-1	SU 4	4839445	Antiviral, other	Infection, cytomegalovirus
Fosfestrol		522-40-7				
fosfluconazole	2,4-difluoro-Alpha,Alpha-bis(1H-1,2,4-triazol-1-ylmethyl)benzyl alcohol, dihydrogen phosphate (ester)	194798-83-9			Antifungal	Infection, fungal, general
fosfomycin	Phosphonic acid, (3-methyloxiranyl)-, (2R- 23155-02-4 cis)- [CAS]		88	1223923	Antibiotic, other	Infection, general

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
	Phosphonic acid, (3-methyloxiranyl)-, (2R-cis)-, compd. with 2-amino-2- (hydroxymethyl)-1,3-propanediol (1:1)-					
fosfomycin trometamol	[CAS]	78964-85-9	E	27597	Antibiotic, other	Infection, urinary tract
Fosfosal		6064-83-1				
	L-Proline, 4-cyclohexyl-1-[[[2-methyl-1-(1-oxopropoxy)propoxy](4-oxopropoxy)burylphosopinyllacetyll-	8889-14-9				
fosinopril	(2Alpha,4ß)- [CAS]	98048-97-6	EP	63896	Antihypertensive, renin system	Hypertension, general
fosphenytoin	2,4-Imidazolidinedione, 5,5-diphenyl-3- [(phosphonooxy)methyl]- [CAS]	92134-98-0 93390-81-9	SN	4260769	Antiepileptic	Epilepsy, generalized, tonic- clonic
i i	Phosphonic acid, [1-[[[(2-chloroethy)]amino]e	0770	1	77050	Antimore	emonalom social
Fromenem	וואן-, טופנואן פאפן (כאס)	106560-14-9	<u>.</u>	608/11	Autoanten, anyjaming	Calicer, metalloria
frovatriptan	1H-Carbazole-6-carboxamide, 2,3,4,9-tetrahydro-3-(methylamino)-, (R)- ICAS]	158747-02-5	OM M	9922730	Antimigraine	Migraine
Fructose		57-48-7				
Fructose-1,6-		488-69-7				
diphosphate						
FIC	2(1H)-Pyrimidinone, 4-amino-5-fluoro-1-(2- (hydroxymethyl)-1,3-oxathiolan-5-yl)- (4R)			_	Antiviral, anti-HIV	Infection, HIV/AIDS
FTY-720	1,3-Propanediol, 2-amino-2-(2-(4-octylphenyl)ethyl)-, hydrochloride [CAS]	162359-56-0	WO	9408943	Immunosuppressant	Transplant rejection, general
fudosteine	Alanine, 3-((3-hydroxypropyl)thio)- [CAS]	13189-98-5	NS	5047428	Antitussive	Cough
fulvestrant	Estra-1,3,5(10)-triene-3,17-diol, 7-[9- [(4,4,5,5,5-pentafluoropentyl)sulfinyl]nonyl]. , (7Alpha,17ß)- [CAS]	129453-61-8	Б	346014	Anticancer, hormonal	Cancer, breast
fumaqiine	2.4.6,8-Decatetraenedioic acid, mono[5-methoxy.4-[2-methyl-3-(3-methyl-2-butenyl)oxiranyl]-1-oxaspiro[2.5]oct-6-yl] ester, [3R-[3Rbha,4Alpha(2R*,3R*),5ß,6ß(all-E)]]- [CAS]	23110-15-8			Protozoacide	Infection, GI tract

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API Generic Name	API Chemical Name	CAS NO.	Kere	жетегенсе	Example of Inerapeutic Use	Example of Indication
Fumagillin	1917	23110-15-8				
Furaltadone		139-91-3				
Furazabol		1239-29-8				
Furazolidone		67-45-8				
Furazolium Chloride		5118-17-2				
Furonazide		3460-67-1				
dimeenide	Benzoic acid, 5-(aminosulfonyl)-4-chloro-2-	0 70 70 00 00 00 00 00 00 00 00 00 00 00			and control position with lumber	Lynna acionatory
Fursultiamine		804-30-8			י טוווים שוויסיון, וויסיוווים וייסיווים וייסיו	riyperterision, general
Furtrethonium		7618-86-2				
Fusidic Acid		0669/80/90				
G1, YM BioSciences	1-(5-bromofur-2-yl)-2-bromo-2-nitroethene			İ	Antifungal	Infection, gynaecological
(625			WO	9804252	Antimalarial	Infection, malaria
GABA-A Alpha5 inverse agonist, Mer			8	0206285	Cognition enhancer	Alzheimer's disease
citacochec	Cyclohexaneacetic acid, 1-(aminomethyl)-	00000	2	4460000	A section of the sect	
gapapenun	[CAS]	60142-96-3	CS.	4152326	Antiepileptic	Epilepsy, general
	Benzoic acid, 4-[[6- [(aminoiminomethyl)amino]-1-					
gabexate	oxohexyl]oxy]-, ethyl ester, monomethanesulfonate [CAS]	39492-01-8 56974-61-9	SN	3751447	Gl inflammatory/bowel disorders	Pancreatitis
gaboxadol	Isoxazolo[5,4-c]pyridin-3(2H)-one, 4,5,6,7-tetrahydro- [CAS]		క	1125288	Hypnotic/Sedative	Sleep disorder, general
Gadobenat		127000-20-8				
Dimeglumine Gadobutrol		138071-82-6				
Gadodiamide		131410-48-5				
Gadopentetic Acid		80529-93-7				
Gadoteridol		120066-54-8				
Gadoversetamide		131069-91-5				
Gadoxetic Acid		135326-11-3				

API Generic Name	API Chemical Name		Patent	Patent Poference	Example of Thorasonitis lies	acitacipul po clamas
	עבר כן פוווימון וימוויפ	CAO INO.	צפום	בווכם	Evalupie of filefapeutic Ose	Evaluple of mulcation
	(4a5,6K,5a5)-6-Hydroxy-3-methoxy-11- methyl-5,6,9,10,11,12-hexahydro-4aH-					
	benzofuro[3a,3,2-e,f][2]benzazepine					
galantamine					Formulation, modified-release, other	Alzheimer's disease
Galanthamine		357-70-0				
	ß-Alanine, 2-[4-[(2,6-dideoxy-2-fluoro- Alpha-L-talopyranosyl)oxy]-1,2,3,4,6,11-					
	hexahydro-2,5,12-trihydroxy-7-methoxy-6,11-dioxo-2-naphthacenyl]-2-oxoethyl	140637-82-7				
galarubicin	ester [CAS]	140637-86-1	В	424899	Anticancer, antibiotic	Cancer, breast
Gallamine Triethiodide		65-29-2				
Gallic Acid		149-91-7				
	4H-Pyran-4-one, 3-hydroxy-2-methyl-,					
	gallium complex				,	
gallium maltolate					Anticancer, other	Cancer, myeloma
gallium nitrate	Nitric acid, gallium salt [CAS]	13494-90-1	Sn	4529593	Osteoporosis treatment	Hypercalcaemia of malignancy
	Benzeneacetonitrile, Alpha-[3-[[2-(3,4-					
	dimethoxyphenyl)ethyl]methylamino]propyl [-3,4,5-trimethoxy-Alpha-(1-methylethyl)-					
gallopamil	[CAS]	16662-47-8	ВВ	1367677	Antianginal	Angina, general
y-Aminobutyric Acid		56-12-2				
Ganaxolone		38398-32-2				
	6H-Purin-6-one, 2-amino-1,9-dihydro-9-[[2-hydroxymethyl)ethoxy]methyl]- 107910-75-8	107910-75-8				
ganciclovir	[CAS]	82410-32-0	G.	49072	Antiviral, other	Infection, cytomegalovirus
inanira liv	(N-Ac-D-Nat.D-pCl-Phe,D-Pat.D- h&rd(En)2 h&rd(En)2 h&rd(En)2 h	124004 03.4	8	312052	Deleacing hymones	Infartility famala
	1	171201-100-1	5	312032	Neledanig normones	merumy, lemaie
ganstigmine	Carbamic acid, (2-ethylphenyl)-, (3aS,8aS) 1,2,3,3a,8,8a-hexahydro-1,3a,8- trimethylpyrrolo[2,3-bjindol-5-yl ester,	223585-99-7	БР	1023297	Cognition enhancer	Alzheimer's disease

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
gantofiban	1-Piperazineacetic acid, 4-I[(5R)-3-[4- [imino[(methoxycarbonyl)amino]methyl]ph enyl]-2-oxo-5-oxazolidinyl]methyl]-, ethylester [CAS]	183547-57-1	EP	741133	Antithrombotic	Thrombosis, general
garenoxacin	3-Quinolinecarboxylic acid, 1-cyclopropyl-8 (difluoromethoxy)-7-((1R)-2,3-dihydro-1-methyl-1H-isoindol-5-yl)-1,4-dihydro-4-oxomomethanesulfonate [CAS]	223652-82-2			Quinolone antibacterial	Infection, respiratory tract, lower
garnocestim	5-73-macrophage inflammatory protein 2Alpha (human gene gro2)- [CAS]	246861-96-1			Radio/chemoprotective	Chemotherapy-induced injury, bone marrow, neutropenia
gatifloxacin	3-Quinolinecarboxylic acid, 1-cyclopropyl-6 fluoro-1,4-dihydro-8-methoxy-7-(3-methyl-1-piperazinyl)-4-oxo-, (+/-)- [CAS]		EP	230295	Quinolone antibacterial	Infection, respiratory tract, general
Gefarnate		51-77-4				
geftinib	4-Quinazolinamine, N-(3-chloro-4- fluorophenyl)-7-methoxy-6-(3-(4- morpholinyl)propoxy) [CAS]	184475-35-2	WO	9633980	Anticancer, other	Cancer, lung, non-small cell
gemcabene	6,6'-oxybis(2,2-dimethylhexanoate)	209789-08-2			Hypolipaemic/Antiatherosclerosis	Hyperlipidaemia, general
gemcitabine	Cytidine, 2'-deoxy-2', 2'-difluoro-, [CAS]	122111-03-9 95058-81-4	GB	2136425	Anticancer, antimetabolite	Cancer, pancreatic
gemeprost	Prosta-2,13-dien-1-oic acid, 11,15-dihydroxy-16,16-dimethyl-9-oxo-,methylester, (2E,11Alpha,13E,15R)- [CAS]	64318-79-2	GB	1540427	Prostaglandin	
gemfibrozil	Pentanoic acid, 5-(2,5-dimethylphenoxy)- 2,2-dimethyl- [CAS]	25812-30-0	ns	3674836	Hypolipaemic/Antiatherosclerosis	Hyperlipidaemia, general
gemifloxacin	1,8-Naphthyridine-3-carboxylic acid, 7-(3- (aminomethyl)-4-(methoxyimino)-1- pyrrolidinyl)-1-cyclopropyl-6-fluoro-1,4- dihydro-4-oxo-[CAS]	175463-14-6	Sn	5869670	Quinolone antibacterial	Infection, respiratory tract, general
gentamicin	Gentamicin [CAS]	1403-66-3			Formulation, implant	Infection, general
Gentian Violet		548-62-9				
Gentiopicrin		20831-76-9				

API Generic Name	API Chemical Name	CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
Gentisic Acid		490-79-9				
Gepefrine		18840-47-6				
gepirone	2,6-Piperidinedione, 4,4-dimethyl-1-[4-[4-(2-pyrimidinyl)-1-piperazinyl]butyl]- [CAS]				Formulation, modified-release, other	Depression, general
gestodene			GB 1	1569135	Formulation, fixed-dose combinations	Contraceptive, female
	18,19-Dinorpregna-4,15-dien-20-yn-3-one, 13-ethyl-17-hydroxy-, (17Alpha) mixt with 19-Norpregna-1,3,5(10)-trien-20-yne- 13.17-diol (17Alpha)	·				
gestodene + ethinylest	•				Formulation, modified-release, >24hr	Contraceptive, female
Gestonorone Caproate		1253-28-7				
Gestrinone		16320-04-0				
y-Hydroxybutyrate		591-81-1				
	(4S)-11-[(E)-[(1,1- dimethylethoxy)imino]methyl]-4-ethyl-4- hydroxy-1-12-dihydro-14H- pyrano[3',4'6,7]indolizino[1,2-b]quinoline- 3,14(4H)-dione					
gimatecan		292618-32-7			Anticancer, other	Cancer, brain
Giractide		24870-04-0				
Gitoxin		4562-36-1				
	N,N'-Bis[2-[N-[2-(N2,N5-dimethyl-DL- lysylamino)-ethyl]carbamoyl]1H-indol-6-yl]- 1H-indole-2,5-dicarboxamide					
GL-406349					Antifungal	Infection, fungal, general
Glafenine		3820-67-5				
glatiramer	L-Glutamic acid, polymer with L-alarine, L-1147245-92-9 lysine and L-tyrosine, [CAS]		OM M	5800808	Multiple sclerosis treatment	Multiple sclerosis, relapsing- remitting
Glibornuride		26944-48-9				
gliclazide	Benzenesulfonamide, N- II(hexahydrocyclopenta[c]pyrrol-2(1H)- yl)amino]carbonyl]-4-methyl- [CAS]	21187-98-4	GB 4	1153982	Antidiabetic	Diabetes, Type II

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API Generic Name		CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
	1H-Pyrrole-1-carboxamide, 3-ethyl-2,5- dihydro-4-methyl-N-[2-[4-[[[[(4-					
glimepiride	methylcyclohexyl)aminojcarbonyljaminojsu fonyljphenyljethylj-2-oxo- [CAS]	93479-97-1	WO	9303724	Antidiabetic	Diabetes, Type II
y-Linolenic Acid		506-26-3				
glipizide	Pyrazinecarboxamide, N-[2-[4- [[[cyclohexylamino]carbony]]amino]sulfon yl]phenyl]ethyl]-5-methyl- [CAS]	29094-61-9	SN	3669966	Antidiabetic	
gliquidone	(3,4- ,3-dioxo-	33342-05-1	g _B	1277847	Antidiabetic	Diabetes, general
glisolamide	3-Isoxazolecarboxamide, N-[2-[4- [[[(cyclohexylamino)carbony]]amino sulfon y]]phenyl]ethyl]-5-methyl- [CAS]	24477-37-0			Antidiabetic	Diabetes, general
Glisoxepid		25046-79-1				
Glucametacin		52443-21-7				
Glucoheptonic Acid		87-74-1				
Gluconic Acid		526-95-4				
glucosamine	D-Glucose, 2-amino-2-deoxy-, [CAS]	29031-19-4 3416-24-8	DE	1953689	Antiarthritic, other	Arthritis, osteo
Glucosulfone		554-18-7				
glufosfamide	ß-D-Glucopyranose, 1-(N,N'-bis(2- chloroethyl)phosphorodiamidate)- [CAS]	132682-98-5	핌	3835772	Anticancer, alkylating	Cancer, general
Glutamic Acid		26-86-0				
Glutaraldehyde		111-30-8				
Glutethimide		77-21-4				
Glyburide		10238-21-8				
Glybuthiazol(e)		535-65-9				
Glybuzole		1492-02-0				
Glycerol		56-81-5				
Glycocyamine		352-97-6				
Glycol Salicylate		87-28-5				
Glyconiazide		3691-74-5				

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API Generic Name	API Chemical Name	ON ON O	Patent	ratent Poforonco	Evample of Therapoutic lies	Example of Indication
Glycopyrrolate		596-51-0		2010	Evaliple of High spenic Ose	ביאשוווים כו ווותוכמרוכוו
Glyhexamide		451-71-8				
Glymidine		339-44-6				
Glypinamide		1228-19-9				
GMDP	N-acetylglucosaminyl-N-acetylmuramyl dipeptide				Anti-infective, other	Infection, general
Gold Sodium Thi malat		12244-57-4				
Gold Sodium Thiosulfate		10233-88-2				
goserelin	Luteinizing hormone-releasing factor (pig), 6-[O-(1,1-dirnethylethyl)-D-serine]-10-deglycinamide-, 2-(aminocarbonyl)hydrazide [CAS]	65807-02-5	Sn	4100274	Releasing hormones	Cancer, prostate
GPI-1485	L-Proline, 1-(3,3-dimethyl-1,2-dioxopentyl)-, 3-(3-pyridinyl)propyl ester [CAS]	186452-09-5			Antiparkinsonian	Parkinson's disease
GPI-5693	2-(Phosphonomethyl)pentanedioic acid		SN	5672592	Analgesic, other	Pain, neuropathic
Graftskin						
granisetron	1H-Indazole-3-carboxamide, 1-methyl-N- (9-methyl-9-azabicyclo[3.3.1]non-3-yl)-, endo- [CAS]	107007-99-8 109889-09-0	EP	200444	Antiemetic	Chemotherapy-induced nausea and vomiting
Grepafloxacin		119914-60-2				
griseofulvin	Spiro[benzofuran-2(3H),1'-[2]cyclohexane]-3,4'-dione, 7-chloro-2',4,6-trimeth-oxy-6'methyl-, (1'S-trans)- [CAS]	126-07-8			Formulation, dermal, topical	Infection, dermatological
Guaiacol		90-05-1				
Guaiapate		852-42-6				
Guaiazul ne		489-84-9				
Guaifenesin		93-14-1				
guaimesal	4H-1,3-Benzodioxin-4-one, 2-(2- methoxyphenoxy)-2-methyl- [CAS]	81674-79-5	GB	2098201	Anti-inflammatory	
Guamecycline	- 1/4 -	16545-11-2				

API Generic Name	API Chemical Name	ON SAC	Patent	Patent Reference	Example of Therapeutic Use	Example of Indication
Guanabenz		5051-62-7			T	
Guanadrel		40580-59-4				
Guanethidine		55-65-2				
Guanfacine		29110-47-2				
Guanoxabenz		24047-25-4				
Guanoxan		2165-19-7				
pidilipgug	Pregna-4,17(20)-diene-3,16-dione [CAS]	95975-55-6	EP 4	447706	Hypolipaemic/Antiatherosclerosis	
Gusperimus		104317-84-2				
	(Z)-2-Chlorofumaric acid 1-[3-[6,7-dirnethoxy-2(S)-methyl-1(R)-(3,4,5-trimethoxybenzyl)-1,2,3,4-fetrahydroisoouinoliniim-2-villorooyll					
GW-280430A					Muscle relaxant	Anaesthesia, adjunct
GW-320659	[2S,3S,5R]-2-(3,5-difluorophenyl]-3,5- dimethyl-2-morpholinol				Anorectic/Antiobesity	Obesity
GYK1-16084	(+)-R-2-(3-[N-(2- Benzo[1,4]dioxanyImethyl)amino]-1- propyl}-3(2H)-pyridazinone hydrochloride		ns e	6194411	Prostate disorders	Benign prostatic hyperplasia
Hachimycin		1394-02-1				
Halazepam		23092-17-3				
Halcinonide		3093-35-4				
halobetasol	Pregna-1,4-diene-3,20-dione, 21-chloro-6,9-difluoro-11-hydroxy-16-methyl-17-(1-oxopropoxy)-, (6Alpha,118,16ß)- [CAS]	66852-54-8	NS 4	4619921	Antipsoriasis	Psoriasis
halofantrine	9-Phenanthrenemethanol, 1,3-dichloro- Alpha-[2-(dibutylamino)ethyl]-6- (trifluoromethyl)- [CAS]	36167-63-2 69756-53-2	<u>.</u>	138374	Antimalarial	Infection, malaria
halometasone	Pregna-1,4-diene-3,20-dione, 2-chloro-6,9-difluoro-11,17,21-trihydroxy-16-methyl-, (6Alpha,118,16Alpha)- [CAS]	50629-82-8	US 4	4076737	Antipruritic/inflamm, allergic	
Haloperidol		52-86-8				
Halopredone	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	57781-14-3			The state of the s	

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API Generic Name	API Chemical Name	CAS No.	Reference	Example of Therapeutic Use	Example of Indication
Haloprogin		777-11-7			
Halopropane		679-84-5			
Halothane		151-67-7			
Haloxazolam		59128-97-1			
	2(R)-Acetamido-N-benzyl-3- methoxypropionamide				
harkoseride			WO 9733861	Antiepileptic	Epilepsy, general
	16Alpha-Bromo-3ß-hydroxy-5Alpha- androstane-17-one				
HE-2000				Antiviral, anti-HIV	Infection, HIV/AIDS
Healos			WO 9714376	Musculoskeletal	Regeneration, bone
H matoporphyrin		14459-29-1			
Hepronicate		7237-81-2			
Heptabarbital		509-86-4			
Heptaminol		372-66-7			
Hetacillin		3511-16-8			
Hetastarch		9004-62-0			
Hexachlorophene		70-30-4			
Hexadimethrine Bromide		28728-55-4			
Havafluorenium		317-52-2			
Bromide		7-70-110			
Hexamethonium		60-26-4			
Hexamidine		3811-75-4			
Hexapropymate		358-52-1			
Hexedine		5980-31-4			
Hexestrol		84-16-2			
Hexestrol Bis(B-		2691-45-4			
di thylaminoethyl ether)					
Hexethal		144-00-3			
Hexetidine		141-94-6			
Hexobarbital		56-29-1			

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
Hexobendine		54-03-5				
H xocyclium Methyl		115-63-9				
Sulfate						
Hexoprenaline		3215-70-1				
Hextend	Hextend [CAS]	235746-51-7	SD	5407428	Plasma substitute	Surgery adjunct
Hexylcaine		532-76-3				
HF-0299	11b-hydroxy androstenedione				Osteoporosis treatment	Osteoporosis
HGP-2	Benzeneacetic acid, 4-[2-hydroxy-3-[(1-methylethyl)amino]propoxy]-, 2-tricyclo[3.3.1.13,7]dec-1-ylethyl ester, (2Z)-2-butenedioate (1:1) (salt) [CAS]	121009-31-2			Antiglaucoma	Glaucoma
	8-Azoniabicyclo[3.2.1]octane, 3-(3-ethoxy-1,3-dioxo-2-phenylpropoxy)-8,8-dimethyl-,				:	
HGP-6^	(3-endo)-, methyl sulfate [CAS]	113932-41-5			Antiepileptic	Epilepsy, general
hidrosmin	Hydrosmin- [CAS]	120250-44-4			Vasoprotective, systemic	
histamine	histamine	51-45-6	ЕР	0493468	Anticancer, immunological	Cancer, melanoma
Histapyrrodine		493-80-1				
histrelin	Luteinizing hormone-releasing factor (pig), 6-[1-(phenylmethyl)-D-histidine]-9-(N-ethyl. L-prolinamide)-10-deglycinamide- [CAS]	76712-82-8	Д	217659	Releasing hormones	Precocious puberty
HM-101	HM 101 [CAS]	217311-70-1			Osteoporosis treatment	Osteoporosis
HMN-214	(E)-4-[2-[2-(p- methoxybenzenesulfonamide)- phenyljethenyljpyridine-1-oxide				Anticancer, other	Cancer, general
Homatropine		87-00-3				
Homocamfin		535-86-4				
Homochlorcyclizine		848-53-3				
Hopantenic Acid		18679-90-8				
HP-228	Glycinamide, Nacetyl-L-norleucyl-L-glutaminyl-L-histidyl-D-phenylalanyl-L-arginyl-D-tryptophyl- [CAS]	172617-89-9	ΕĐ	759770	Analgesic, other	Pain, post-operative

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
Huperzine A		102518-79-6				
hyaluronan	Hyaluronic acid [CAS]	9004-61-9			Formulation, other	Restenosis
Hycanthone		3105-97-3				
Hydnocarpic Acid		459-67-6				
Hydralazine		86-54-4				
Hydrastine		118-08-1				
Hydrastinine		6592-85-4				
Hydrochlorothiazide	58-93-5	58-93-5				
hydrocodone	Morphinan-6-one, 4,5-epoxy-3-hydroxy-17- methyl-,(5Alpha)- [CAS]	466-99-9 125-29-1			Formulation, modified-release, other	Pain, general
Hydrocortamate		76-47-1				
hydrocortisone		74050-20-7 50-23-7	품	2826257	Dermatological	Unspecified
hydrocorticone butvrate oronio	Pregn-4-ene-3,20-dione, 11-hydroxy-17-(1-oxobutoxy)-21-(1-oxopropoxy)-, (118)-	72500,77.3	п	2010899	Antinucitic/inflamm allamic	
Hydroflumethiazide		135-09-1				
	Morphinan-6-one, 4.5-epoxy-3-hydroxy-17-methyl-, (5Alpha)-, mixt with acetamide, N-(4-hydroxyphenyl)-, mixt with morphinan-6-one, 17-(cyclopropylmethyl)-4,5-epoxy-3,14-dihydroxy-, (5Alpha)-	103-90-2 16590-41-3				
hydromorphone		466-99-9			Formulation, fixed-dose combinations	Pain, general
Hydroquinidine		1435-55-8				
Hydroquinine		522-66-7				
Hydroquinone		123-31-9				
Hydroxocobalamin		13422-51-0				
Hydroxyamphetamine		1518-86-1				
Hydroxychloroquine		118-42-3				
Hydroxydione		53-10-1				
Hydroxypethidine		468-56-4				
Hydroxyphenamate		50-19-1				

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API Generic Name	API Chemical Name	CAS No.	ratent Referer	ratent Reference	Example of Therapeutic Use	Example of Indication
Hydroxypropyl Cellulose		9004-64-2				
Hydroxystilbamidine		495-99-8				
Hydroxytetracaine		490-98-2				
Hydroxyzine		68-88-2				
Hylan G-F 20						
Hymecromone		90-33-5				
	benzeneacetic acid, Alpha(hydroxymethyl)- , 8-methyl-8-azabicyclo [3.2.1.]oct-3-yl ester, [3(S)-endo].					
hyoscyamine	•	101-31-5			Formulation, oral, orally-disintegrating	Ulcer, GI, general
hypericin	Phenanthro[1,10,9,8-opqra]perylene-7,14- dione, 1,3,4,6,8,13-hexahydroxy-10,11- dimethyl- [CAS]	548-04-9			Anticancer, other	Cancer, brain
IACFT		180468-34-2				
ibandronic acid	Phosphonic acid, [1-hydroxy-3- (methylpentylamino)propylidene] bis- [CAS]	114084-78-5	<u>급</u>	252504	Osteoporosis treatment	Hypercalcaemia of malignancy
ibopamine	Propanoic acid, 2-methyl-, 4-[2- (methylamino)ethyl]-1,2-phenylene ester- [CAS]	66195-31-1	89	1551661	Cardiostimulant	Heart failure
ibopamine	Propanoic acid, 2-methyl-, 4-[2- (methylamino)ethyl]-1,2-phenylene ester- [CAS]	66195-31-1			Formulation, mucosal, topical	Surgery adjunct
Ibritumomab Tiuxetan		206181-63-7				
ibrolipim	Phosphonic acid, [[4-][(4-bromo-2- cyanophenyl)amino]carbonyl]phenyl]methy !.), diethyl ester [CAS]	133208-93-2	д ,	402033	Hypolipaemic/Antiatherosclerosis	Hypertriglyceridaemia
ibudilast	1-Propanone, 2-methyl-1-[2-(1- methylethyl)pyrazolo[1,5-a]pyridin-3-yl]- [CAS]	50847-11-5	<u>а</u>	215438	Antiasthma	Asthma
Ibufenac		1553-60-2				
ibuprofen piconol	Benzeneacetic acid, Alpha-methyl-4-(2- methylpropyl)-, 2-pyridinylmethyl ester [CAS]	64622-45-3	원 	2658610	Antipruritic/inflamm, non-allergic	Eczema, contact

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
ibuprofen	Benzeneacetic acid, Alpha-methyl-4-(2- methylpropyl)- [CAS]	15687-27-1			Formulation, modified-release, other	Inflammation, general
Ibuproxam		53648-05-8	į			
ibutilide	Methanesulfonamide, N-[4-[4- (ethylheptylamino)-1-hydroxybutyl]phenyl]- 122647-31-8 (+/-)-, [CAS]		<u> </u>	60239458	Antiarrhythmic	Fibrillation, atrial
ICA-17043			ns	6288122	Antisickling	Anaemia, sickle cell
icodextrin	Dextrin-[CAS]	9004-53-9			Urological	Renal failure
idarubicin	5,12-Naphthacenedione, 9-acetyl-7-[(3-amino-2,3,6-trideoxy-Alpha-L-lyxo-hexopyranosyl)oxyl-7,8,9,10-tetrahydro-6,9,11-trihydroxy-, (7S-cis)- [CAS]	58957-92-9 86189-66-4	Sn	4471052	Anticancer, antibiotic	Cancer, leukaemia, acute lymphocytic
Idazoxan		79944-58-4				
ldB-1016	2-(2,3-dihydro-2-(4-hydroxy-3-methoxyphenyl)-3-(hydroxymethyl)-1,4-benzodioxin-6-yl)-2,3-dihydro-3,5,7-trihydroxy-4H-1-benzopyran-4-onephosphatidylcholine complex	134499-06-2	굡	209038	Anticancer, hormonal	Cancer, ovarian
idebenone	2,5-Cyclohexadiene-1,4-dione, 2-(10-hydroxydecyl)-5,6-dimethoxy-3-methyl-[CAS]	58186-27-9	Ð.	58057	Neuroprotective	Ischaemia, cerebral
	4-Hexenoic acid, 3-[[(1,1-dimetty)ethoxy)carbonyljamino]-2-hydroxy-5-methyl-, (3aS,4R.7R,8aS,9S,10aR,12aS,12bR,13S,13aS)-7,12a-bis(acetyloxy)-13-(benzoyloxy)-3a,4,7,8a,9,10,10a,12,12a,12b,13-dodecahydro-y-5,8a,14,14-tetramethyl-2,8-dioxo-6,13a-methano-13aH-oxeto [2",3",5,6"] benzo[1,2,4,5] cyclodeca [1,2-d] dioxyl-4-yl ester, 2R,3S)		9		-	
IDN-5109	[CAS]		SO	5264591	Anticancer, other	Cancer, colorectal
Idoxifen		116057-75-1				

API Generic Name	API Chemical Name	CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
idraparinux	Alpha-D-Glucopyranoside, methyl O-2,3,4-tri-O-methyl-6-O-sulfo-Alpha-D-glucopyranosyl-(1-4)-O-2,3-di-O-metryl-8-D-glucopyranuronosyl-(1-4)-O-2,3,6-tri-O-sulfo-Alpha-D-glucopyranosyl-(1-4)-O-2,3-di-O-methyl-Alpha-L-idopyranuronosyl-(1-4)-, tris(hydrogen sulfate) nonasodium salt [CAS]	149920-56-9	A A	698456	Antithrombotic	Thrombosis, venous
idrocilamide	thyl)-3-	6961-46-2	SN	3659014	Anti-inflammatory, topical	
ifenprodil	(7)-2-(4-benzyl piperidino)-1-p- hydroxyphenylpropanol tartrate	23210-58-4 23210-56-2	Sn	3509164	Neuroprotective	
ifosfamide	2H-1,3,2-Oxazaphosphorin-2-amine, N,3-bis(2-chloroethyl)tetrahydro-,2-oxide [CAS]3778-73-2	3778-73-2	sn	3732340	Anticancer, alkylating	Cancer, lung, general
iguratimod	N-[3-(Formylamino) 4-oxo-6-phenoxy-4H- chromen-7-yl] methanesulfonamide	123663-49-0	긢	3834204	Antiarthritic, other	Arthritis, rheumatoid
ilaprazole	1H-Benzimidazole, 2-(((4-methoxy-3-methyl-2-pyridinyl) methyl)sulfinyl)-5-(1H-pyrrol-1-yl)- [CAS]	172152-36-2	Sn	5703097	Antiulcer	Ulcer, Gl. general
ilomastat	Butanediamide, N4-hydroxy-N1-(1-(1H-indol-3-ylmethyl)-2-(methylamino)-2-oxoethyl)-2-(2-methylpropyl)-, (S-(R*, S*))-(CAS]	142880-36-2	sn	5892112	COPD treatment	Emphysema, smoking-related
iloperidone	Ethanone, 1-[4-[3-[4-(6-fluoro-1,2-benzisoxazol-3-yl)-1-piperidinyl]propoxy]-3-methoxyphenyl]-[CAS]	133454-47-4	Sn	5776963	Neuroleptic	Schizophrenia
iloprost trometamol ILX23-7553	Pentanoic acid, 5-[hexahydro-5-hydroxy-4- (3-hydroxy-4-methyl-1-octen-6-ynyl)-2(1H)- pentalenylidene]- [CAS] 1Alpha,25-Hydroxy-16-yne vitamin D3	78919-13-8	DE	3417638	Prostaglandin Anticancer, other	Peripheral vascular disease Cancer, general

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API Generic Name		CAS No.	Ref	Reference	Example of Therapeutic Use	Example of Indication
	4-((Methyl-1-piperazinyl)methyl)-N-[4- methyl-3-[[4-(3-pyridinyl)-2- pyrimidinyl]amino]-phenyl]benzamide					
imatinib	methanesulfonate	152459-95-5	Sn	5521184	Anticancer, other	Cancer, leukaemia, chronic myelogenous
imidapril	4-Imidazolidinecarboxylic acid, 3-[2-[[1- (ethoxycarbonyl)-3-phenylpropyljamino]-1- oxopropyl]-1-methyl-2-oxo-, [4S- [3[R*(R*)],4R*]]- [CAS]	89371-37-9 89396-94-1	<u>a</u>	95163	Antihypertensive, renin system, Musculoskeletal	Hypertension, general, Cachexia
imidazole salicylate	Benzoic acid, 2-hydroxy-, compd. with 1H- imidazole (1:1) [CAS]	36364-49-5	SD	4329340	Anti-inflammatory	Pain, general
ітірепет	1-Azabioyclo[3.2.0]hept-2-ene-2-carboxylic acid, 6-(1-hydroxyethyl)-3-[[2- {(iminomethyl)amino]ethyl]thio]-7-oxo-, [5R-74431-23-5 [5Alpha,6Alpha(R*)]]- [CAS]	64221-86-9 74431-23-5 81129-83-1	89	1570990	Beta-lactam antibiotic	Infection, general
Imipramine		50-49-7				
Imipramine N-Oxide		6829-98-7				
imiquimod	1H-Imidazo[4,5-c]quinolin-4-amine, 1-(2- methylpropyl)- [CAS]	99011-02-6	Ш	145340	Antiviral, other	Infection, human papilloma virus
Imolamine		318-23-0				
implitapide	Benzeneacetamide, Alpha-cyclopentyl-4- ((2,4-dimethyl-9H-pyrido(2,3-b)indol-9- yl)methyl)-N-((1R)-2-hydroxy-1- phenylethyl)- (AlphaS)- [CAS]	177469-96-4	<u></u> &	705831	Hypolipaemic/Antiatherosclerosis	Atherosclerosis
Improsulfan		13425-98-4				
Inaperisone		99323-21-4				
incadronate	Phosphonic acid, [Cycloheptylamino)methylene]bis-, [CAS]	138330-18-4			Musculoskeletal	Hypercalcaemia of malignancy
Incadronic Acid		124351-85-5				
Indalpine		63758-79-2				
Indanazoline		40507-78-6				
indapamide	4-chloro-N-(2-methylindolin-1-yl)-3- sulfamoylbenzamide	26807-65-8	g _B	1203691	Antihypertensive, diuretic	Hypertension, general
Indecainid		74517-78-5				

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API Generic Name		CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
indeloxazine	Morpholine, 2-[(1H-inden-7-yloxy)methyl]- [CAS]	60929-23-9 65043-22-3	머	52083773	Cognition enhancer	Alzheimer's disease
Indeloxazine		65043-22-3				
indenolol	2-Propanol, 1-[1H-inden-4(or 7)-yloxy]-3- [(1-methylethyl)amino]- [CAS]	30190-87-5 60607-68-3 68906-88-7	GB	1290343	Antihypertensive, adrenergic	
	Derythro-Pentonamide, 2,3,5-trideoxy-N-(2,3-dihydro-2-hydroxy-1H-inden-1-yl)-5-(2-(((1,1-dimethylethylamino)carbonyl)-4-(3-					
indinavir	pyronymetryl)	150378-17-9 157810-81-6	d H	0541168	Antiviral, anti-HIV	Infection, HIV/AIDS
noldipui	Acetamide, N-methyl-N-(3-(3-(2- thienylcarbonyl)pyrazolo(1,5-a) pyrimidin-7- yl)phenyl)- [CAS]	325715-02-4	Sn	6399621	Hypnotic/Sedative	Insomnia
indisetron	1H-Indazole-3-carboxamide, N-(3,9-dimethyl-3,9-diazabicyclo(3.3.1)non-7-yl)-, diendo- [CAS]	160472-97-9			Antiemetic	Nausea and vomiting, general
indisulam	1,4-Benzenedisulfonamide, N-(3-chloro- 1H-indol-7-yl)- [CAS]	165668-41-7			Anticancer, other	Cancer, lung, non-small cell
Indobufen		63610-08-2				
Indocyanine Green		3599-32-4				
indometacin	1H-Indole-3-acetic acid, 1-(4-chlorobenzoyl)-5-methoxy-2-methyl- [CAS] 53-86-1	53-86-1			Formulation, modified-release, other	Inflammation, general
Indoprofen		31842-01-0				
indoramin	Benzamide, N-[1- 2-(1H-indol-3-yl)ethyl]-4- 26844-12-2 piperidinyl]- [CAS]	26844-12-2 38821-52-2	GB	1218570	Antihypertensive, adrenergic	
Inducterm			SN	5993810	Labour inducer	Labour, induction
Infliximab		170277-31-3				
Inosine Pranobex		36703-88-5				
Inositol		87-89-8				
Inositol Niacinate		6556112				
lobenguane		80663-95-2				
lobenzamic Acid		3115057				

API Generic Name	ADI Chemical Name	0 2 0 0	Patent	Evenue of Thomas and	
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lobitridol		136949-58-1			
locarmic Acid		10397-75-8			
locetamic Acid		16034-77-8			
lodamide		440-58-4			
euipoi	lodine [CAS]	7553-56-2		Formulation, oral, other	Fibrocystic breast disorder
lodipamide		606-17-7			
lodixanol		92339-11-2			
lodoalphionic Acid		577-91-3			
iodochlorhydroxyquin	5-Chloro-7-iodo-8-quinolinol	130-26-7		Cognition enhancer	Alzheimer's disease
lodoform		75-47-8			
lodopyracet		300-37-8			
lodopyrrole		87-58-1			
lodoquinol		83-73-8			
lofetamine 123		75917-92-9			
loglycamic Acid		2618-25-9			
lohexol		66108-95-0			
lomeglamic Acid		25827-76-3			
lomeprol		78649-41-9			
lopamidol		60166-93-0			
lopanoic Acid		96-83-3			
lopentol		89797-00-2			
lophendylate		9-62-66			
lophenoxic Acid		96-84-4			
lopromide		73334-07-3			
lopronic Acid		41473-08-9			
lopydol		5579-92-0			
lopydone		5579-93-1			
lothalamic Acid		2276-90-6			
lotrolan		79770-24-4			
loversol		87771-40-2			
loxaglic Acid		59017-64-0			

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API G neric Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
loxilan		107793-72-6				
(P-751	(3R,4R)-(delta6)-THC-DMH-11-oic acid		٥ آ	9401429	Analgesic, other	Pain, neuropathic
Ipidacrine		62732-44-9				
IPL-576092	Stigmastan-15-one, 22,29-epoxy- 3,4,6,7,29-pentahydroxy-, (3Alpha,4ß,5Alpha,6Alpha,7ß,14ß,22S)- [CAS]	137571-30-3	SN	6046185	Antiasthma	Asthma
Ipodate		5587-89-3				
ipratropium bromide		66985-17-9 22254-24-6			Formulation, inhalable, solution	Chronic obstructive pulmonary disease
ipratropium	(endo.syn)-(±)-3-(3-Hydroxy-1-oxo-2- phenylpropoxy)-8-methyl-8-(1-methylethyl)- 8-azoniabicyclo[3.2.1]octane				Formulation, inhalable, topical	Asthma
iprazochrome	Hydrazinecarboxamide, 2-[1,2,3,6-tetrahydro-3-hydroxy-1-(1-methylethyl)-6-oxo-5H-indol-5-ylidene]- [CAS]	7248-21-7			Haemostatic	
ipriflavone	4H-1-Benzopyran-4-one, 7-(1- methylethoxy)-3-phenyl- [CAS]	35212-22-7	<u>L</u>	214647	Osteoporosis treatment	Osteoporosis
Iprindole		5560-72-5				
Iproclozid		3544-35-2				
Iproniazid		54-92-2				
Ipsapiron		95847-70-4				
irbesartan	2-n-butyl-4-spirocyclopentane-1-[((2'-tetrazol-5-yl)biphenyl-4-yl)methyl]-2-imidazolin-5-one	138402-11-6	WO	9114679	Antihypertensive, renin system	Hypertension, general
IRFI-042	Butanedioic acid, mono[2-[2- (acetylthio)ethyl]-2,3-dihydro-4,6,7- trimethyl-5-benzofuranyl] ester, (+/-)- [CAS]	134867-62-2	SN	5114966	Cardiovascular	Atherosclerosis
	N-Cyclopentyl-1-methylimidazo[1,2-a]quinoxalin-4-amine					
IRFI-165		191349-26-5	Ш	865442	Antidepressant	Depression, general
Iridomyrmecin		485-43-8				

API Gen ric Name	API Chemical Name	CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
irindalone	-Imidazolidinone, 1-[2-[4-[3-(4- fluorophenyl)-2,3-dihydro-1H-inden-1-yl]-1-104113-57-7 piperazinyl]ethyl]-, (1R-trans)- [CAS] 96478-43-2		EP	183349	Antidepressant	Depression, general
Irinotecan		97682-44-5				
irofulven	Spiro(cyclopropane-1,5'-{5Hjinden]-7'(6'H)- one, 6'-hydroxy-2',4',6'-trimethyl-, (R)- [CAS]	125392-76-9	SN	5563176	Anticancer, other	Cancer, prostate
Iron Sorbitex		1338-16-5				
irsogladine	1,3,5-Triazine-2,4-diamine, 6-(2,5-dichlorophenyl)- [CAS]	57381-26-7 57381-28-9 57381-33-6	SN	4657907	Antihypertensive, diuretic	Hypertension, general
IS-741	Cyclohexanecarboxamide, N-[2- [(ethylsulfonyl)amino]-5-(trifluoromethyl)-3- pyridinyl)- [CAS]	141283-87-6	ЕЪ	465913	GI inflammatory/bowel disorders	Pancreatilis
isaglitazone	2,4-Thiazolidinedione, 5-[[6-[(2- fluorophenyl)methoxy]-2- naphthalenyl]methyl]-[CAS]	161600-01-7	SN	5594016	Antidiabetic	Diabetes, Type II
ISAtx-247			ZN	502362	Immunosuppressant	Transplant rejection, general
Isbogrei		89667-40-3				
isepamicin	D-Streptamine, O-6-amino-6-deoxy-Alpha-D-glucopyranosyl-(1-4)-O-[3-deoxy-4-C-methyl-3-(methylamino)-8-L-arabinopyranosyl-(1-6)]-N1-(3-amino-2-hydroxy-1-oxopropyl)-2-deoxy-, (S)- [CAS] 58152-03-7	58152-01-5 58152-03-7	Sn	4029882	Aminoglycoside antibiotic	Infection, dermatological
Isoaminile		77-51-0				
Isobutyl p- Aminobenzoate		94-14-4	!			
Isocarboxazid		59-63-2				
isoconazole	1-[2-(2-6-dichlorobenzyloxy)-2-(2-,4- dichloropheny!)ethyl]		B9	1244530	Antifungal	Infection, fungal, general
Isoetharine		530-08-5				

API Generic Name	API Chemical Name	ON SAC	Patent	Patent Reference	Example of Theraneutic Use	Example of Indication
	1 Discretisacity of 17 fluor 10 14	200		2012	7	Evaluate of molestion
	I-riperazineethanol, 4-[3-moro-10, 11- Jainidea 6 (4	406040 30 0				
	diriyulo-o-(1- 	100018-58-0				
5	metriylemyı)arbenzolb, rjmlepin-10-yij-	100819-41-4		0	:	
Isorioxythepin	[CAS]	70931-18-9	3	2010843	Neuroleptic	
	Ethane, 2-chloro-2-(difluoromethoxy)-1,1,1-					
isoflurane	trifluoro- [CAS]	26675-46-7	S	3535388	Anaesthetic, inhalation	Anaesthesia
Isoflurophate		55-91-4				
Isoladol		530-34-7				
Isomethadone		466-40-0				
Isometheptene		503-01-5				
Isoniazid		54-85-3				
Isonixin		57021-61-1				
Isopromethazine		303-14-0				
Isopropamide lodide		71-81-8				
Isopropyl Alcohol		67-63-0				
	5-Heptenoic acid, 7-(3,5-dihydroxy-2-(3-oxodecyl)cyclopentyl)-, 1-methylethylester, (1R-(1Alpha(Z), 28,3Alpha,5Alpha))-					
isopropyl unoprostone	[cAs]	120373-24-2	品	289349	Prostaglandin	Glaucoma
Isoproterenol		7683-59-2				
Isosorbide		652-67-5				
isosorbide dinitrate	D-Glucitol, 1,4:3,6-dianhydro-, dinitrate [CAS]	87-33-2			Formulation, modified-release, other	Angina, general
isosorbide mononitrate	D-Glucifol, 1,4:3,6-dianhydro-, 5-nitrate [CAS]	16051-77-7			Formulation, modified-release, other	Angina, general
Isothipendyl		482-15-5				
isotretinoin	Retinoic acid, 13-cis- [CAS]	4759-48-2	Sn	4843096	Antiacne	Acne
Isovaleryl Diethylamide		533-32-4				
Soxenac		55453-87-7				
Isoxicam		34552-84-6				
Isoxsuprine		395-28-8	l.			
		2 22 200				

API Generic Name	API Chemical Name	CAS No.	Referen	Reference	Example of Therapeutic Use	Example of Indication
isradipine	3.5-Pyridinedicarboxylic acid, 4-(4- benzofurazanyl)-1,4-dihydro-2,6-dimethyl-, methyl 1-methylethyl ester [CAS]	75695-93-1	GB	2037766	Antihypertensive, other	Hypertension, general
	6H-Thieno[3,2-[][1,2,4]triazolo[4,3- a][1,4]diazepine, 4-(2-chlorophenyl)-6,9-					
israpafant	dimethyl-2-[2-[4-(2- methylpropy!)phenyl]ethyl]-[CAS]	117279-73-9		268242	Antiasthma	Asthma
ISV-403			ns	5447926	Formulation, mucosal, topical	Conjunctivitis
Itasetron		4-4	. !			
ITF-282	(TF 282 [CAS]	93615-44-2	GB	2115821	Antianaemic	Anaemia, general
itopride	Benzamide, N-[[4-[2- (dimethylamino)ethoxy]phenyl]methyl]-3,4- dimethoxy-, monohydrochloride [CAS]	122892-31-3	EP	306827	Gastroprokinetic	Gastritis
itraconazole	3H-1,2,4-Triazol-3-one, 4-[4-[4-[4-[2-(2,4-dichlorophenyl)-2-(1H-1,2,4-triazol-1-ylmethyl)-1,3-dioxolan-4-ylmethoxylphenyl]-1-piperazinylphenyl]-2,4-dihydro-2-(1-methylpropyl)- [CAS]	84625-61-6	EP	6711	Antifungal	Infection, fungal, general
Itramin		13445-63-1				
itriglumide	1-Naphthalenepropanoic acid, ß-[2-[[2-(8-azaspiro[4.5]dec-8-y carbonyl)-4,6-dimethylphenyl]amino]-2-oxoethyl]-, (ßR)-[CAS]	201605-51-8	WO	9800404	Anxiolytic	Anxiety, general
iturelix	D-Alaninamide N-acetyl-3-(2-naphthalenyl) D-alanyl-4-chloro-D-phenylalanyl-3-(3- pyridinyl)-D-alanyl-L-seryl-N6-(3- pyridinylcarbonyl)-L-lysyl-N6-(3- pyridinylcarbonyl)-D-lysyl-L-leucyl-N6-(1- methylethyl)-L-lysyl-L-prolyl- [CAS]	112568-12-4	WO	8901944	Fertility enhancer	Infertility, female
ivabradine	7,8-dimethoxy-3-(3-[[(1S)[4,5-dimethoxybenzocyclobutan-1-yl)methyl]methylamino]propyl)-1,3,4,5-tetrahydro-2H-benzazepin-2-one				Antianginal	Angina, general

API Generic Name	A PI Chemical Name	ON SAC	Patent	Patent Reference	Example of Therapertic lea	Example of Indication
ixabepilone	0)heptadecane- 8,8,10,12,16- :-(2-methyl-4- 6R) [CAS]	219989-84-1			Anticancer, other	Cancer, breast
J-104132	5H-Cyclopenta[b]pyridine-6-carboxylic acid, 5-(1,3-benzodioxol-5-yl)-2-butyl-7- [2[(2S)-2-carboxypropyl]-4-methoxyphenyl] 6,7-dihydro-, (5S,6R,7R)- [CAS]	198279-45-7	WO W	9737665	Antihypertensive, other	Heart failure
J-107088	5H-Indolo(2,3-a)pyrrolo(3,4-c)carbazole-5,7(6H)-dione, 12-3-D-glucopyranosyl-12,13-dihydro-2,10-dihydroxy-6-((2-hydroxymethyl)ethyl)amino-[CAS]	174402-32-5			Anticancer, other	Cancer, bladder
J-113397	1-[(3R,4R)-1-Cycloociylmethyl-3- hydroxymethyl-4-piperidyl]-3-ethyl-1,3- dihydro-2H-benzimidazole-2-one				Analgesic, other	Pain, general
Janex-1	-dimethoxy-4- nino]-[CAS]	202475-60-3			Anticancer, other	Cancer, leukaemia, general
josamycin	Leucomycin V, 3-acetate 4B-(3- methylbutanoate) [CAS]	16846-24-5	ar V	41021759	Macrolide antibiotic	Infection, general
JTV-519	1,4-Benzothiazepine, 2,3,4,5-tetrahydro-7-methoxy-4-[1-oxo-3-[4-(phenylmethyl)-1-piperidinyl]propyl]- [CAS]	145903-06-6	ow S	9212148	Cardiovascular	Infarction, myocardial
<i>LLL-</i> X			ns	6287840	Protozoacide	Infection, trypanosomiasis, American
Kainic Acid		487-79-6				
Kalimate	Kalimate- [CAS]	92354-70-6			Urological	
Kallidin		342-10-9				
KB-130015	Acetic acid (2,6-diiodo-4-((2-methyl-3- benzofuranyl)methyl)phenoxy)- [CAS]	147030-48-6			Antiarrhythmic	Arrhythmia, general

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API Gen ric Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
	Methanesulfonamide, N-[3-amino-4-[2-[[2-					•
	(3,4-dimethoxyphenyl)ethyl]methylamino]ethox					
KCB-328	y]phenyl]-, monohydrochloride [CAS]	177596-55-3	<u>==</u> _	WO 9604231	Antiarrhythmic	Arrhythmia, general
Kebuzone		853-34-9				
	2-(2-Chlorophenyl)-2-(methylamino)- cyclohexanone hydrochloride	6740-88-1			Formulation, transmucosal, nasal	Pain, post-operative
ketanserin	inedione, 3-[2-[4-(4- gridinyl]ethyl]-[CAS]	74050-98-9 83846-83-7	П	13612	Antihypertensive, other	Hypertension, general
	4H-[1,3]Oxazino[3,2- d][1,4]benzodiazepine-4,7(6H)-dione, 11- chloro-8,12b-dihydro-2,8-dimethyl-12b-					
ketazolam	phenyl- [CAS]	27223-35-4	eB B	1222294	Anxiolytic	
Kethoxal		27762-78-3				
Ketobemidone		469-79-4				
	Piperazine, 1-acetyl-4-[4-[[2-(2,4-dichlorophenyl)-2-(1H-imidazol-1-ylmethyl)-13-dioxolan-4-yllmethoxylphenyll-, cis-					
ketoconazole	[CAS]	65277-42-1	S	4335125	Antifungal	Infection, fungal, general
ketoprofen	mono(3-benzoyl-Alpha- methylbenzeneacetate) [CAS]	5	д	502502	Formulation, transdermal, systemic	Pain, general
ketorolac	1H-Pyrrolizine-1-carboxylic acid, 5-benzoyl;74103-06-3 2,3-dihydro-, (+/-)- [CAS]		ď	53021	Analgesic, NSAID	
Ketorolac Tromethamine						
ketotifen	10-H-Benzo[4,5]cyclohepta[1,2-b]thiophen-10-one, 4,9-dihydro-4-(1-methyl-4-piperidinylidene)-, (E)-2-butenedioate (1:1),34580-13-7 [CAS]		GB	1355539	Antiasthma	Asthma
Khellin		82-02-0				
kinetin		9001-29-0			Dermatological	Photodamage

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API Generic Name	API Chemical Name	CAS No.	Reference	Example of Therapeutic Use	Example of Indication
KNI-272	4-Thiazolidinecarboxamide, N-(1,1-dimethylethyl)-3-[2-hydroxy-3-[[2-[[(5-isoquinolinyloxy)acetyl]amino]-3-(methylthio)-1-oxopropyl]amino]-1-oxo-4-phenylbutyl]-, [4R-[3[25*,35*(R*)],4R*]]-[CAS]	147318-81-8	US 5644028	Antiviral, anti-HIV	Infection, HIV/AIDS
KP-103	(R.R)-2-(2,4-Difluorophenyl)-3-(4- methylenepiperidin-1-yl)-1-(1,2,4-triazol-1- yl)-2-butanol			Antifungal	Infection, general
KP-157				Antidepressant	Depression, general
KP-544			WO 9919305	Cognition enhancer	Unspecified
KRN-5500	L-glycero-ß-L-manno- Heptopyranosylamine, 4-deoxy-4- [[[[(2E,4E]-1-oxo-2,4- tetradecadienyl]amino]acetyljamino]-N-1H- purin-6-yl- [CAS]	151276-95-8	WO 9015811	Anticancer, antibiotic	Cancer, colorectal
KT-136	Alpha-D-Glucopyranoside, ß-D- fructofuranosyl, mixt. with 1-ethenyl-2- pyrrolidinone homopolymer compd. with iodine [CAS]	121602-88-8		Formulation, dermal, topical	Ulcer, decubitus
KIII.72311	(-)-2-[(2S)-1,2,3,4-tetrahydro-2-[((2R)-2-hydroxy-2-(4-hydroxy-2-(4-hydroxphenyl)ethyl]amino]naphthalen-7-yloxy]-N,N-dimethylacetamide hydrochloride monohydrate			Irological	Hrinany calculus
KW-2170	6H-Pyrazolo[4.5,1-de]acridin-6-one.5-[(3-aminopropyl)amino]-7,10-dihydroxy-2-[[(2-hydroxyethyl)amino]methyl]-, dihydrochloride [CAS]	207862-44-0		Anticancer, alkylating	Cancer, lung, non-small cell
KW-6002	1H-Purine-2,6-dione, 8-(2-(3,4-dimethoxyphenyl)-1,3-diethyl-3,7-dihydro-7-methyl- (E)- [CAS]	155270-99-8		Antiparkinsonian	Parkinson's disease
KW-7158	3,3,3-Trifluoro-2-hydroxy-2-methyl-N-(10-oxo-4,10-dihydrothieno[3,2-C)[1] benzothiepin-9-yl)propanamide 5,5 dioxide			Urological	Incontinence

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
OSCISC	Urea, N-(2,3-dihydro-1-methyl-2-oxo-5- phenyl-1H-1,4-benzodiazepin-3-yl)-N'-(3-	0000	0	204766	A velicement of	
	-, (N)-[UNO]	2		204530	Allucation, oursi	Cancer, general
L-5-hydroxytryptophan		4350-09-8			Metabolic and enzyme disorders	Unspecified
L-745337	Methanesulfonamide, N-[6-[(2,4- difluorophenyl)thio]-2,3-dihydro-1-oxo-1H- inden-5-yl]- [CAS]	158205-05-1	WO	WO 9413635	Analgesic, NSAID	Pain, general
86289	Phosphonic acid, [3-[[(2R,3S)-2(.(1R)-1- [3,5-bis(trifluoromethyl)phenyljethoxyl-3-(4- fluorophenyl)-4-morpholinyljmethyl]-2,5- dihydro-5-oxo-1H-1,2,4-triazol-1-yl]- [CAS] 172673-20-0		WO	WO 9523798	Antiemetic	Chemotherapy-induced nausea and vomiting
1.826141			C/M	Q722585	Antiaethma	Unspecified
E-020141			2	31,44303	Automina	Ouspecified
labetalol	5-[1-hydroxy-2-[(1-methyl-3-phenylpamino]ethyl]salicylamide HCl 36894-69-6		Sn	4012444	Antihypertensive, adrenergic	
	3,5-Pyridinedicarboxylic acid, 4-(2-{3-(1,1-dimethylethoxy)-3-oxo-1-propeny]]pheny]]-1,4-dihydro-2,6-dimethyl-, diethyl ester, (E)	-	_	366436	Antinosociosos de se	Losson original
lacidipline Lacific Acid	[CA3]	103090-70-4	9	2104330	Antinyperensive, orner	nyperiension, general
lactitol	U-Glucitol, 4-U-IS-D-galactopyranosyl- [CAS]	585-86-4			Hepatoprotective	Infection, neurological
Lactulose		4618-18-2				
lafutidine	Acetamide, 2-[(2-furanylmethyl)sulfinylj-N- [4-[[4-(1-piperidinylmethyl)-2-pyridinyl]oxy]-118288-08-7 2-butenylj-, (Z)- [CAS]		చ	282077	Antiulcer	Ulcer, gastric
Lamifiban		144412-49-7				
lamivudine	2(1H)-Pyrimidinone, 4-amino-1-[2- (hydroxymethyl)-1,3-oxathiolan-5-yl]-, (2R- cis)- [CAS]	134678-17-4	⊕	513917	Antiviral, anti-HIV	Infection, HIV/AIDS
lamotrigine	1,2,4-Triazine-3,5-diamine, 6-(2,3- dichlorophenyl)- [CAS]	84057-84-1	Ш	21121	Antiepileptic	Epilepsy, partial (focal, local)

API Generic Name	ADI Chemical Name	ON OV	ratent Doforo:	Patent		Committee of Indication
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	Benzenepropanoic acid, 4-[2-hydroxy-3-[[2- [[4-					
	morpholinylcarbonyl)aminolethyllaminolpr					
	opoxy]-, (2,2-dimethyl-1,3-dioxolan-4-					
	yl)methyl ester, [S-(R*,R*)]- HCL					
landiolol		133242-30-5	Ш	397031	Antiarrhythmic	Tachycardia, general
	(S)-Alpha-phenyl-2-pyridine ethanamine					
lanicemine	dihydrochloride	153322-05-5	_		Neurological	Unspecified
	Methyl 6,11-dihydro-11-[1-[2-[4-(-2-					
	quinolylmethoxy)phenyljethylj-4-					
	piperidinylidene]-5H-imidazo[2,1-					
	b][3]benzazepine-3-carboxylate					
laniquidar		197509-46-9	8	9734897	Radio/chemosensitizer	Cancer, general
	1H-Imidazole-1-acetonitrile, Alpha-[4-(2-					
	chlorophenyl)-1,3-dithiolan-2-ylidene]-, (E)-					
lanoconazole	(±)- [CAS]	101530-10-3	S	4738976	Antifungal	Infection, fungal, general
Lanoteplase		171870-23-8				
Lanreotide		108736-35-2				
	1H-Benzimidazole, 2-III3-methyl-4-(2.2.2-					
	trifluoroethoxy)-2-pyridy]]methy]]sulfiny]]-					
lansoprazole	[CAS]	103577-45-3 E	굡	174726	Antiulcer	Ulcer, duodenaí
	Carbonic acid, lanthanum(3+) salt					
lanthanum carbonate	(3:2)[CAS]	587-26-8	S	5968976	Urological	Hyperphosphataemia
	4-Quinazolinamine, N-[3-chloro-4-[(3-					
	fluorobenzyl)methoxy phenyl]-6-[5-[[[2-					
	[methylsulfonyl]ethyl]amino]methyl]furan-2-					
lapatinib	1.6	388082-78-8			Anticancer, other	Cancer, breast
laquinimod		248281-84-7			Multiple sclerosis treatment	Multiple sclerosis, general
	2-Naphthalenol, 5,6,7,8-tetrahydro-6-					
	prierry(-5-(4-(z-(1-					
lasofoxifene	pyrronomyr)ernoxy)phenyr-(5R-cis)-, (5- (8* R*))-2 3-dihydroxyhrlanedioale [CAS] 190791-29.8		Ş	0716434	Manage disordere	Hormone replacement thorses
	(14, 14) // 2, 3 dility di oxy batalie di oate [0.00]		2	27 10404	interiopausar disorders	normone replacement merapy

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API Generic Name		CAS No.	Reference	ence	Example of Therapeutic Use	Example of Indication
latamoxef	5-Oxa-1-azabicyclo[4 2.0]oct-2-ene-2- carboxylic acid, 7-[[carboxy(4- hydroxyphenyl)acetyl]amino]-7-methoxy-3- [[(1-methyl-1H-tetrazol-5-yl)thio]methyl]-8- 64952-97-2 oxo- [CAS]	64952-97-2 64953-12-4	GB 1	1547351	Beta-lactam antibiotic	Infection, general
	5.Hentennic arid 7.13 fdiltudrovu-2.13.					
latanoprost	S	130209-82-4	0 8	9002553	Prostaclandin	Glaucoma
Lauroquadine		135-43-3				
Laurolinium Acetate		146-37-2				
Lawsone		83-72-7				
	1-(Z,Z,Z,Z,Z-eicosa-5,8,11,14,17- pentaenovloxy)-3-(Z,Z,Z,Z-eicosa-					
LAX-111					Neuroleptic	Schizophrenia
Lazabemide		103878-84-8				
	Benzenecarboximidic acid, 4-{(2S)-3- (cyclopentylmethylamino)-2-{(2- naphthalenylsulfonyl)aminol-3-oxopropyl}					
LB-30057	hydrazide [CAS]		ο <u>ς</u> Ο _χ	9749673	Antithrombotic	Thrombosis, venous
L-Cystine						
Lefetamine		7262-75-1				
leflunomide	4-Isoxazolecarboxamide, 5-methyl-N-[4- (trifluoromethyl)phenyl]- [CAS]	75706-12-6	EP	13376	Antiarthritic, immunological	Arthritis, rheumatoid
leflunomide	4-Isoxazolecarboxamide, 5-methyl-N-[4- (trifluoromethyl)phenyl]- [CAS]	104981-93-3 75706-12-6	Sn	5610173	Anticancer, other	Cancer, ovarian
Leiopyrrole		5633-16-9				
	4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[(aminophenylacetyl)aminol-3,3-dimethyl-7.oxo-, (5-methyl-2-oxo-1,3-dioxol-4-					
lenampicillin	yl)methyl ester, [2S- [2Alpha,5Alpha,6ß(S*)]]- [CAS]	80734-02-7 86273-18-9	<u> </u>	61206	Penicillin, oral	Infection, general
lentinan	Lentinan [CAS]	37339-90-5			Anticancer, immunological	Cancer, stomach

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	Ari cileniicai Name			ania	Example of Therapeutic Ose	Example of muranon
	3,5-Pyridinedicarboxylic acid, 1,4-dihydro- 2,6-dimethyl-4-(3-nitrophenyl)-, 2-[(3,3- dinhenylpropylmethylaminn]-1 1.					
orceanding	dimethylethyl methyl ester, hydrochloride 100427-26-7		9	4705707	A tibuta a tananta	Lista de la ciama
	1H. Benzimidazole 1-(phenylmethyl). 2.7	1	\neg		and beneated, one	about the second of the second
lerisetron	piperazinyl)- [CAS]	143257-98-1	SN	5256665	Antiemetic	Nausea and vomiting, general
Lesopitron		132449-46-8				
leteorinim	Benzoic acid, 4-((3-(1,6-dihydro-6-oxo-9H-purin-9-yl)-1-oxopropyl)amino)-, monopotassium salt (CASI	138117-50-7	Sn	6338963	Antiparkinsonian	Parkinson's disease
	4-Thiazolidinecarboxylic acid, 2-[2-[(2-					
letosteine	ethoxy-2-oxoethyl)thio[ethyl]- [CAS]	53943-88-7	S	4032534	COPD treatment	Bronchitis, chronic
letrozole	Benzonitrile, 4,4'-(1H-1,2,4-triazol-1- ylmethylene)bis- [CAS]	112809-51-5	EP	236940	Anticancer, hormonal	Cancer, breast
Leucocyanidin		480-17-1				
Leuprolide		53714-56-0				
	Luteinizing hormone-releasing factor (pig), 6-D-leucine-9-(N-ethyl-L-prolinamide)-10-	53714-56-0				
leuprolide acetate	deglycinamide-, monoacetate (salt) [CAS] /4381-53-6	/4381-53-6			Formulation, implant	Cancer, prostate
	Luteinizing hormone-releasing factor (pig), 6-D-leucine-9-(N-ethyl-L-prolinamide)-10-					
leuprorelin	deglycinamide- [CAS]	53714-56-0			Formulation, implant	Cancer, prostate
Levallorphan		152-02-3				
levamisole	Imidazo[2,1-b]thiazole, 2,3,5,6-tetrahydro- 6-phenyl-, (S)- [CAS]	14769-73-4 16595-80-5	SN	4584305	Anthelmintic	Infection, helminth, general
Levcromakalim		94535-50-9				
levetiracetam	1-Pyrrolidineacetamide, Alpha-ethyl-2-oxo- (S)- [CAS]	102767-28-2	EP	162036	Antiepileptic	Epilepsy, general
levobetaxolo!	2-Propanol, 1-(4-(2- (cyclopropylmethoxy)ethyl)phenoxy)-3-((1- methylethyl)amino) hydrochloride [CAS]	116209-55-3			Formulation, mucosal, topical	Glaucoma

API Generic Name	API Chemical Name	CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
levobunolol		27912-14-7 47141-42-4	SN	3641152	Formulation, mucosal, topical	Glaucoma
levobupivacaine	2-Piperidinecarboxamide, 1-butyl-N-(2,6- dimethylphenyl)-, (S)- [CAS]	27262-47-1	MO	9510276	Anaesthetic, injectable	Anaesthesia
levocabastine	acid, 1-[4-cyano-4- nexyl]-3-methyl-4- Npha,48]]- [CAS]	79449-98-2 79516-68-0 79547-78-7	SN	4369184	Antiallergic, non-asthma	Rhinitis, allergic, general
levocetirizine	Acetic acid, (2-(4-(14- chlorophenyl)phenylmethyl)-1- piperazinyl)ethoxy)-, (R)- [CAS]	130018-77-8	MO	9406429	Antiallergic, non-asthma	Allergy, general
Levodopa		59-92-7				
levodropropizine	1,2-Propanediol, 3-(4-phenyl-1- piperazinyl)-, (S)- [CAS]	99291-25-5	Ш	147847	Antitussive	Cough
levofloxacin	7H-Pyrido[1,2,3-de]-1,4-benzoxazine-6- carboxylic acid, 9-fluoro-2,3-dihydro-3- methyl-10-(4-methyl-1-piperazinyl)-7-oxo-, 100986-85-4 (S)- [CAS]	100986-85-4 138199-71-0	EP	206283	Quinolone antibacterial	Infection, respiratory tract, lower
Levomethadyl Acetate		1477-40-3				
levomoprolol	2-Propanol, 1-(2-methoxyphenoxy)-3-[(1-methylethyl)amino]-, (S)- [CAS]	27058-84-0 5741-22-0 77164-20-6	Б	15418	Antihypertensive, adrenergic	
levonorgestrel	18,19-Dinorpregn-4-en-20-yn-3-one, 13- ethyl-17-hydroxy-, (17Alpha)- [CAS]	797-63-7		!	Formulation, implant	Contraceptive, female
Levophacetoperane		24558-01-8				
Levorphanol		2-30-37 77-07-6				
levosimendan	Propanedinitrile, [[4-(1,4,5,6-tetrahydro-4-131741-08-7 131741-08-7 pyridazinyl)pheny]hydrazono]-, (R)- [CAS] 141505-33-1	131741-08-7 141505-33-1	EP	383449	Cardiostimulant	Heart failure
levosulpiride	Benzamide, 5-(aminosulfonyl)-N-[(1-ethyl- 2-pyrrolidinyl)methyl]-2-methoxy-, (S)- [CAS]	23672-07-3	GB	2014990	Antiemetic	Dyspepsia

API Generic Name Levothyroxine 1-13-1-ribofure carboxamide levovirin L-Leucine, N imidazo[4.5-o yl)methyllphe [CAS] LF-15-0195 2-Pyrrolidine (aminoiminon 1-I[2.4-dichlo quinolinyl)oxy LF-16-0687 2-4,6-Octatric dimethylethyl	ical Name anosyl-1,2,4-triazole-3-	CAS No.	Reference	PUCP		Cmula of Indiantion
lyroxine 95 87	ofuranosyl-1,2,4-triazole-3- nide			>	Example of Therapeutic Use	Example of Indication
95	ofuranosyl-1,2,4-triazole-3- nide					
					Antiviral, other	Infection, hepatitis-C virus
	L-Leucine, N-methyl-N-[[4-[(2-methyl-1H- imidazo[4,5-c]pyridin-1- yl)methyljphenyljsulfonyl]-, ethyl ester- [CAS]	139133-26-9 W	MO W	9203423	Neurological	Dementia, AIDS-related
		<u> </u>	6 OM	9624579	Immunosuppressant	Lupus erythematosus, general
2,4,6-Octal	pyl]-	209733-45-9 F	FR 2	2756562	Neuroprotective	Head trauma
LGD-1550 (2E,4E,6E)- [CAS]	acid, 7-(3,5-bis(1,1- iyl)-3-methyl-	178600-20-9			Anticancer, other	Cancer, cervical
ГН		9002-67-9				
LH-RH		9034-40-6	-			
1H-Benzim liarozole imidazol-1-	1H-Benzimidazole, 5-{(3-chlorophenyl)-1H-{115575-11-6 imidazol-1-ylmethyl}- [CAS]	115575-11-6			Formulation, other	Psoriasis
1H-Pyrrolizine chlorophenyl)- licofelone	5-acetic acid, 6-(4- 2,3-dihydro-2,2-dimethyl-7-	156897-06-2			Antiarthritic, other	Arthritis, osteo
Licostinel		153504-81-5				
Phosphoni lidadronate (dimethylar	Phosphonic acid, [1-amino-3- (dimethylamino)propylidene]bis- [CAS]	63132-38-7	6 OM	9702827	Urological	Unspecified
Lidamidine		66871-56-5		l .		
Acetamide lidocaine dimethylph	Acetamide, 2-(diethylamino)-N-(2,6- dimethylphenyl)- [CAS]	137-58-6			Formulation, transdermal, patch	Pain, post-herpetic
Lidofenin		59160-29-1	\vdash			
Lidoflazine		3416-26-0		:		
Prosta-2,13-dii dihydroxy-17,2 limaprost (2E,11Alpha,1	en-1-oic acid, 11,15- 0-dimethyl-9-oxo- 3E,15S,17S)-, [CAS]	74397-12-9	GB 2	2041368	Prostaglandin	Buerger's syndrome

API G neric Name	ADI Chemical Name	ON UN	Patent	Patent	Evample of Therapeutic liee	Evample of Indication
l incomvein			2	2		ביאמוווסופ כו ווומוכמנוסוו
		2 1 2 1 2 1				
Lindan		58-89-9				
	Acetamide, N-((3-(3-fluoro-4-(4-morpholinyl)phenyl)-2-oxo-5-					
linezolid	oxazolidinyl)methyl)-, (S)- [CAS]	165800-03-3	No Mo	9507271	Antibiotic, other	Infection, dermatological
Linoleic Acid		60-33-3				
Linolenic Acid		463-40-1				
Liothyronine		6893023	1			
Lipase		9001-62-1				
Lipo-dexamethasone palmitate	Pregna-1,4-diene-3,20-dione, 9-fluoro- 11,17-dihydroxy-16-methyl-21-[(1- oxohexadecyl)oxy]-, (118,16Alpha)- [CAS] 14899-36-6	14899-36-6			Formulation, optimized, microemulsion Arthritis, rheumatoid	Arthritis, rheumatoid
	[1,1'-Biphenyl]-4-acetic acid, 2-fluoro- Alpha-methyl-, 1-(acetyloxy)ethyl ester					
lipo-flurbiprofen	[CAS]	91503-79-6		60208910	Formulation, optimized, microemulsion	Pain, cancer
Lipogel HA			EP	525655	Formulation, optimized, liposomes	Unspecified
LiquiVent	perfluorooctylbromide	423-55-2	Sn	5437272	Lung Surfactant	Respiratory distress syndrome, adult
liranaftate	Carbamothioic acid, (6-methoxy-2- pyridinyl)methyl-, O-(5,6,7,8-tetrahydro-2- naphthalenyl) ester [CAS]		GB	2124617	Antifungal	Infection, dermatological
lisinopril	L-Proline, 1-[N2-(1-carboxy-3-phenylpropyl)-L-lysyl]-, (S)- [CAS]	76547-98-3 83915-83-7	립	12401	Antihypertensive, renin system	Hypertension, general
Lisofyllin		100324-81-0				
lisuride	Urea, N'-[(8Alpha)-9,10-didehydro-6- methylergolin-8-yl]-N,N-diethyl-, [CAS]	19875-60-6 305-13-5 18016-80-3			Antiprolactin	Acromegaly
Lithium Citrate		919-16-4				
lithium	Carbonic acid, dilithium salt [CAS]	554-13-2			Formulation, modified-release, <=24hr	Depression, bipolar
lixivantan	Benzamide, N-[3-chloro-4-(5H-pyrrolo[2,1-c][1,4]benzodiazepin-10(11H)-ylcarbony()phenyl]-5-fluoro-2-methyl-ICASI	168070-32.1	ŭ	5738540	ardiovacular	Hoort failure
LJP-1082			\neg	6207160	Immunosuppressant	Thrombosis, venous

API Generic Name	API Chemical Name	CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
	S-2,7,8-Trimethyl-6-(ß-carboxyethyl)-6- hydroxychroman					
LLUAlpha					Antihypertensive, other	Hypertension, general
LMP-160			SN	5643893	Antiasthma	Asthma
LMP-420			SN	5643893	Antiarthritic, other	Arthritis, rheumatoid
lobaplatin	Platinum, (1,2-cyclobutanedimethanamine-N,N)]2-hydroxypropanoato(2-)-O1,O2]-, [SP-4-3-(S),(trans)]- [CAS]	135558-11-1	DE	4115559	Anticancer, alkylating	Cancer, lung, small cell
Lobeline		20-69-7				
Lobenzarit		63329-53-3				
	2,2'-((2-chloro-5-cyano-1,3-phenylene)diimino)bis(2-oxoacetate):2-amino-2-(hydroxymethyl-1,3-oroanediol	63610-09-3				
lodoxamide		53882-12-5	Sn	4439445	Antiasthma	Asthma
Lofentanil		61380-40-3				
lofepramine	Ethanone, 1-(4-chlorophenyl)-2-[[3-(10,11-dihydro-5H-dibenz[b,f]azepin-5-yl)propyl]methylamino]- [CAS]	23047-25-8 26786-32-3	89	1177525	Antidepressant	
lofexidine	1H-Imidazole, 2-[1-(2.6- dichlorophenoxy)ethyl]-4,5-dihydro- [CAS] 31036-80-3	31036-80-3	GB	1181356	Antihypertensive, adrenergic	Hypertension, general
Loflucarban		790-69-2				
lomefloxacin	3-Quinolinecarboxylic acid, 1-ethyl-6,8- difluoro-1,4-dihydro-7-(3-methyl-1- piperazinyl)-4-oxo- [CAS]	98079-51-7 98079-52-8	Щ	140116	Quinolone antibacterial	Infection, respiratory tract, lower
lomerizine	Piperazine, 1-[bis(4-fluorophenyl)methyl]-4-101477-54-7 [(2,3,4-trimethoxyphenyl)methyl]-, [CAS] 101477-55-8	101477-54-7 101477-55-8	<u>Ш</u>	159566	Antimigraine	Migraine
lomifylline	7-(5-oxohexyl)theophylline	10226-54-7	님	2207860	Neurological	
lomustine	Urea, N.(2-chloroethyl)-N'-cyclohexyl-N- nitroso- [CAS]	13010-47-4	ď	48075526	Anticancer, alkylating	
lonafarnib	1-Piperidinecarboxamide, 4-[2-[4-[(11R)-3,10-dibromo-8-chloro-6,11-dihydro-5H-benzo[5,6]cyclohepta[1,2-b]pyridin-11-yl]-1-piperidinyl]-2-oxoethyl]- [CAS]	193275-84-2	sn	5874442	Anticancer, other	Cancer, lung, non-small cell

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API Generic Name	API Chemical Name	CAS No.	Ref	Reference	Example of Therapeutic Use	Example of Indication
Lonapalene		91431-42-4				
Lonazolac		53808-88-1				
lonidamine	1H-Indazole-3-carboxylic acid, 1-[(2,4-dichlorophenyl)methyl]- [CAS]	50264-69-2	핌	2310031	Radio/chemosensitizer	Cancer, breast
loperamide	4-(p-chlorophenyl)-4-hydroxy-N,N-dimethyl Alpha,Alpha-diphenyl-1-piperidine butyramide HCl	34552-83-5 53179-11-6	Sn	3714159	Antidiarrhoeal	Diarrhoea, general
loperamide oxide	1-Piperidinebutanamide, 4-(4- chlorophenyl)-4-hydroxy-N,N-dimethyl- Alpha,Alpha-diphenyl-, 1-oxide, trans- [CAS]	106900-12-3	G.	219898	Antidiarrhoeal	Diarrhoea, general
loprazolam	1H-Imidazo[1,2-a][1,4]benzodiazepin-1- one, 6-(2-chlorophenyl)-2,4-dinydro-2-[(4- methyl-1-piperazinyl)methylene]-8-nitro- [CAS]	61197-73-7 61197-93-1 70111-54-5	89	1496426	Hypnotic/Sedative	
Loprinone		106730-54-5				
loracarbef	1-Azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 7-[(aminophenylacetyl)amino]-3- 76470-66-1 chloro-8-oxo-, [6R-[6Alpha, 78(R*)]]- [CAS] 121961-22-6	76470-66-1 121961-22-6	Ш	14475	Cephalosporin, oral	Infection, respiratory tract, lower
Lorajmine		47562-08-3				
loratadine	1-Piperidinecarboxylic acid, 4-(8-chloro- 5,6-dihydro-11H-benzo[5,6]cyclohepta[1,2- b]pyridin-11-ylidene)-, ethyl ester- [CAS]	79794-75-5	ᇤ	42544	Antiallergic, non-asthma	Rhinitis, allergic, general
lorazepam	2H-1,4-Benzodiazepin-2-one, 7-chloro-5- (2-chlorophenyl)-1,3-dihydro-3-hydroxy-	846-49-1			Formulation, oral, orally-disintegrating	Epilepsy, general
lorcainide	Benzeneacetamide, N-(4-chlorophenyl)-N- 58934-46-6 [1-(1-methylethyl)-4-piperidinyl]-[CAS] 59729-31-6	58934-46-6 59729-31-6	필	2642856	Antiarrhythmic	
lormetazepam	2H-1,4-Benzodiazepin-2-one, 7-chloro-5- (2-chlorophenyl)-1,3-dihydro-3-hydroxy-1- methyl- [CAS]	848-75-9	SD	3296249	Hypnotic/Sedative	Insomnia

API Generic Name	API Chemical Name	CAS No.	Patent Referen	Patent Reference	Example of Therapeutic Use	Example of Indication
lornoxicam		70374-39-9	Ш	313935	Analgesic, NSAID	Pain, post-operative
losartan	1H-Imidazole-5-methanol, 2-butyl-4-chloro- 1-[[2'-(1H-tetrazol-5-yl)[1,1'-biphenyl]-4- yl]methyl]-, [CAS]	124750-99-8 114798-26-4	G G	253310	Antihypertensive, renin system	Hypertension, general
loteprednol	Androsta-1,4-diene-17-carboxylic acid, 17- [(ethoxycarbonyl)oxy]-11-hydroxy-3-oxo-, chloromethyl ester, (118,17Alpha)- [CAS]	82034-46-6	g _B	2079755	Anti-inflammatory, topical	Uveitis
Lotrafiban		171049-14-2				
Lovastatin		75330-75-5				
Loxapine		10/02/1977				
loxiglumide	Pentanoic acid, 4-{(3,4-dichlorobenzoyl)aminoJ-5-{(3-methoxypropyl)pentylaminoJ-5-oxo-, (±)-[CAS]	107097-80-3	WO	8703869	Gl inflammatory/bowel disorders	Pancreatitis
loxoprofen	Benzeneacetic acid, Alpha-methyl-4-[(2-oxocyclopenty))methyl]- [CAS]	68767-14-6 80382-23-6 87828-36-2	EP	55588	Antiarthritic, other	Arthritis, rheumatoid
Lu-35-138	1-[3[[2-[5-chloro-1-(4-fluorophenyl)-3-1H-indolyl ethyl methylamino propyl]-2-imidazolidinone hydrochloride		W W	9516684	Neuroleptic	Psychosis, general
Lubeluzole		144665-07-6				
lubiprostone	(-)-7-[(2R,4aR,5R,7aR)-2-(1,1- difluoropentyl)-2-hydroxy-6- oxooctahydrocyclopenta[b]pyran-5- yl]heptanoic acid	136790-76-6			Laxative	Constitution
lucanthone	Thioxanthen-9-one, 1-((2- (diethylamino)ethyl)amino-4-methyl- [CAS] 479-50-5	479-50-5			Radio/chemosensitizer	Cancer, brain
Lucanthone		548-57-2				
Lumefantrine		82186-77-4				
lumiracoxib	Benzeneacetic acid, 2-((2-chloro-6- fluorophenyl)amino)-5-methyl- [CAS]	220991-20-8			Analgesic, NSAID	Pain, general

			Patent			
API G n ric Name	API Chemical Name	CAS No.	Reference		Example of Therapeutic Use	Example of Indication
lurfolecan	11H-1,4-Dioxino[2.3- g]pyrano[3',4':6,7]indolizino[1,2-b]quinoline- 9,12[8H,14H]-dione, 8-ethyl-2,3-dihydro-8- hydroxy-15-[[4-methyl-1- piperazinyl]methyl]-, [CAS]	155773-58-3			Formulation, optimized, liposomes	Cancer, ovarian
luletium texaphyrin	Lutetium, bis(accetato-O)[9,10-diethyl-20,21-bis-[2-[2-(2-methoxy]ethoxy]ethoxy]-4,15-dimethyl-8,11-imino-3,6:16,13-dinitrilo-1,18-benzodiazacycloeicosine-5,14-dipropanolato-N1,N18,N23,N24,N25]-, (PB7-11-2332'4)- [CAS]	156436-90-7	0066 OM	9906411	Radio/chemosensitizer	Atherosclerosis
LV-216	Zinc[2-(2,6-dichloroanilino)phenyl]acetate				Anti-inflammatory	Arthritis, rheumatoid
P01-X1	Hexadecanamide, N-[4-[[2-[2-[2-[[O-(N-acetyl-Alpha-neuraminosyl]-(2-3)-O-13-D-galactopyranosyl-(1-4)-O-[6-deoxy-Alpha-L-galactopyranosyl-(1-3)]-(1-0)-glucopyranosyl]oxy]ethoxy]e	158792-45-1			Cognition enhancer	Dementia, senile, general
LY-156735	ß-methyl-6-chloromelatonin		EP 655	655243	Hypnotic/Sedative	Sleep disorder, general
LY-293111	Benzoic acid, 2-[3-[3-[(5-ethyl-4'-fluoro-2-hydroxy[1,1'-biphenyl]-4-yl)oxy]propoxy]-2-propylphenoxy]- [CAS]	161172-51-6			Anticancer, other	Cancer, melanoma
LY-293558		154652-83-2			Analgesic, other	Pain, neuropa(hic
£0.29£-X1	1,4-Dioxa-8,11-diazacyclohexadec-13-ene- 2,5,9,12-tetrone, 10-[(3-chloro-4- methoxyphenyl)methyll-6,6-dimethyl-3-(2- methylpropyl)-16-[(1S)-1-[(2S,3R)-3- phenyloxiranyl]ethyl]-, (3S,10R,13E,16S)- [CAS]	18256-67-7	WO 970	9707798	Anticancer, other	Cancer, lung, non-small cell
Lyapolate		25053-27-4				
Lymecycline		992-21-2				

CAS No. 52-76-6 50-57-7 16ylate 1-1,ysine, 2-hydroxybenzoate [CAS] 5952-06-1 50-57-7 50-57				Datent			<u> </u>
100 100	PI G neric Name	API Chemical Name	CAS No.	Refe	rence	Example of Therapeutic Use	Example of Indication
10	vnestrenol		52-76-6				-
Acetylsalicylate	ypressin		50-57-7				
Political Carlo	ysine Acetylsalicylate		62952-06-1				
Dichloro((4aR.13aR.17aR.21aR)- 1,2,3,4,4,5,6,12,13,13a,14,15,16,17,17a, 18,19,20,21,21a-eicosahydro-1,7-nitrilo- TH-dibenzolp.hi [1,4,7,10]letraazacyclo- heptadecine- kappaN13,kappaN13,kappaN21, kappaN2]manganese Benzeneacetamide, N-(2-hydroxyethyl)- Alpha-methyl-4-(2-methylpropyl)-, (4/-)- 82821-47,4 DE CAS Benzeneacetamide, A-(aminomethyl)- 13009-99-9 monoacetate [CAS] 138-39-6 Ethanesulfoniamide, A-(aminomethyl)- 13009-99-9 wazaphosphorin-4-yl[thio]-, P-oxide, cis- 98845-64-8 e	sine salicylate	L-Lysine, 2-hydroxybenzoate [CAS]	59535-08-9		9624331	Analgesic, NSAID	
Dichloro((4aR, 13aR, 17aR, 21aR)- 1,2,3,4,4a,5,6,12,13,13a,14,15,16,17,17a, 18,19,20,21,21a-eicosahydro-1,7-nitrilo- 7H-dibenzolp,hi [1,4,7,10]letraazacyclo- heptadecine- kappaN2Jmanganese Benzeneacetamide, N-(2-hydroxyethyl)- Alpha-methyl-4-(2-methylpropyl)-, (+/-)- Rage Colony- fing Factor Benzenesulfonamide, 4-(aminomethyl)- CASJ monoacetate [CAS] monoacetate [CAS] monoacetate [CAS] Ethamesulfonic acid, 2-[[2-[bis(2-chocopy 2) 243-6-chocopy 2] Ethamesulfonic acid, 2-[[2-[bis(2-chocopy 2) 243-6-chocopy 2] Ethamesulfonic acid, 2-[[2-[bis(2-chocopy 2) 243-6-chocopy 2] Ethamesulfonic acid, 2-[[2-[bis(2-chocopy 2] 243-9-6-chocopy 2] Ethamesulfonic acid, 2-[[2-[bis(2-chocopy 2] 249-0-chocopy 2] Ethamesulfonic acid, 2-[[2-[bis	sophospholipids				9843093	Diagnostic	Diagnosis, cancer
Benzeneacetamide, N-(2-hydroxyethyl)- Alpha-methyl-4-(2-methylpropyl)-, (+/-)- CAS Benzeneacetamide, N-(2-hydroxyethyl)- CAS Substance Septime Septi		Dichloro[(4aR,13aR,17aR,21aR)-1.2,3,4,4a,5,6,12.13,13a,14,15,16,17,17a,18,19,20,21,21a-eicosahydro-1,7-nitrilo-7H-dibenzolb,ħ] [1,4,7,10]letraazacyclo-heptadecine-kappaN13,kappaN18,kappaN21,kappaN21,kappaN22Imananese					
Benzeneacetamide, N-(2-hydroxyethyl)-Alpha-methyl-4-(2-methylpropyl)-, (+/-)-B2821-47-4 DE	-40403			SN	6180620	Anticancer, other	Unspecified
rol 56341-08-3 hage Colony- 81627-83-0 ting Factor 840-50-6 Benzenesulfonamide, 4-(aminomethy)- 13009-99-9 monoacetate [CAS] 13009-99-6 Ethanesulfonic acid, 2-[[2-[bis(2-chloroethy)]aminol]etrahydro-2H-1,3,2-oxazaphosphorin-4-yl[thio]-, P-oxide, cis-oxazaphosphorin-4-yl[thio]-, P-oxide,	abuprofen	Benzeneacetamide, N-(2-hydroxyethyl)- Alpha-methyl-4-(2-methylpropyl)-, (+/-)- [CAS]	82821-47-4	DE	3121595	Anti-inflammatory	
hage Colony- 81627-83-0 ting Factor 840-50-6 Benzenesulfonamide, 4-(aminomethy)- 13009-99-9 monoacetate [CAS] 138-39-6 Ethanesulfonic acid, 2-[[2-[bis(2-choroethy)] amino]tetrahydro-2H-1.3,2-oxazaphosphorin-4-yl[thio]-, P-oxide, cis-oxazaphosphorin-4-yl[thio]-, P-oxide, cis-oxazaphosphorin-4-yl[thi	labuterol		56341-08-3				
840-50-6	lacrophage Colony- timulating Factor		81627-83-0				
Benzenesulfonamide, 4-(aminomethyl)- 13009-99-9 monoacetate [CAS] 138-39-6 Ethanesulfonic acid, 2-[[2-[bis(2-chloroethyl)aminol]tetrahydro-2H-1,3,2-chloroethyl)aminolletrahydro-2H-1,3,2-chloroethylaminolletrahydro-2H-1,3,2-chloroethylaminolletrahydro-2H-1,3,2-chloroethylaminolletrahydro-2H-1,3,2-chloroethylaminolletrahydro-2H-1,3,2-chloroethylaminolletrahydro-2H-1,3,2-chloroethylaminolletrahydro-2H-1,3,2-chloroethylaminolletrahydro-2H-1,3,2-chloroethylaminolletrahydro-2H-1,3,2-chloroethylaminolletrahydro-2H-1,3,2-chloroethylaminolletrahydro-2H-1,3,2-chloroethylaminolletrahydro-2H-1,3,2-chloroethylaminolletrahydro-2H-1,3,2-chloroethylaminolletrahydro-2H-1,3,2-chloroethylaminolletrahydro-2H-1,3,2-chloroethylaminolletrahydro-2H-1,3,2-chloroethylaminolletrahydro-2H-1,3,2-chloro	IADU		840-50-6				
Ethanesulfonic acid, 2-[[2-[bis(2-chloroethyl)amino]letrahydro-2H-1,3,2-oxazaphosphorin-4-y]thio]-, P-oxide, cis-g8845-64-8 (±)- [CAS] Aluminum magnesium hydroxide sulfate (Al5Mg10(OH)31(SO4)2), hydrate [CAS] 632-99-5 132-49-0 bonate Ethanesulfonic acid, 2-[[2-[bis(2-chloroethyl)]] 39409-82-0	afenide	Benzenesulfonamide, 4-(aminomethyl)- monoacetate [CAS]	13009-99-9 138-39-6			Vulnerary	Burns
Aluminum magnesium hydroxide sulfate (AI5Mg10(OH)31(SO4)2), hydrate [CAS] 74978-16-8 US 632-99-5 132-49-0 and the sulfate (AI5Mg10(OH)31(SO4)2), hydrate ICAS] 74978-16-8 US 632-99-5 132-49-0 and the sulfate ICAS] 74978-16-8 US 632-99-5 132-49-0 and the sulfate ICAS 150409-82-0 and the sulfate ICA	afosfamide	Ethanesulfonic acid, 2-[[2-[bis(2- chloroethy)]amino]tetrahydro-2H-1,3,2- oxazaphosphorin-4-yl[thio]-, P-oxide, cis- (±)- [CAS]	88859-04-5 98845-64-8	EP	393575	Anticancer, alkylating	Cancer, renal
bonate	agaldrate	Aluminum magnesium hydroxide sulfate (Al5Mg10(OH)31(SO4)2), hydrate [CAS]	74978-16-8	SN	2923660	Antacid/Antiflatulent	
bonate	lagenta i		632-99-5				
bonate	lagnesium cetylsalicylate		132-49-0				
	lagnesium Carbonate Vdroxid		39409-82-0				
Magnesium chloride (MgCl2) [CAS]	magnesium chloride	Magnesium chloride (MgCl2) [CAS]	7786-30-3			Formulation, oral, enteric-coated	Nutrition

API Generic Name API Chemi Magnesium Citrate D-Gluconic at magnesium gluconate [CAS]			1	7		
	ical Name	ON SAC	Rofere	Reference	Example of Therapeutic Use	Example of Indication
			2	3		
		0044-10-1	1			
	D-Gluconic acid, magnesium sait (2:1) [CAS]	3632-91-5	·		Formulation, other	Hypertension, general
Magnesium Lactate		18917-93-6	-			
Magnesium Salicylate		18917-89-0				
Malathion		121-75-5				
Malotilate		59937-28-9				
Mandelic Acid		90-64-2				
Mandelic Acid Isoamyl Ester		5421045				
Mangafodipir		118248-94-5	\vdash			
		(free acid);				
		155319-91-8				
		(hexahydrogen				
3,5-Pyric 2,6-dime (dipheny	dicarboxylic acid, 1,4-dihydro- -1-4-(3-nitrophenyl)-, 2-[4- ethyl)-1-piperazinyljetnyl methyl					
manidipine ester [CAS]	,AS]		읍	94159	Antihypertensive, other	Hypertension, general
Mannomustine		551-74-6				
mannose-6-phosphate	mannose-6-phosphate				Vulnerary	Wound healing
Maprotiline		10262-69-8				
	1H-Benzimidazol-2-amine, 5,6-dichloro-N- (1-methylethyl)-1-13-L-ribofuranosyl- [CAS] 176161-24-3	176161-24-3			Antiviral, other	Infection, cytomegalovirus
N-[2,2-D methylca marimastat 2(R)-isok	N-[2,2-Dimethyl-1(S)-(N-methylcarbamoyl)propyl]-N,3(S)-dihydroxy-2(R)-isobutylsuccinamide	154039-60-8	ow e	9402447	Anticancer, other	Cancer, pancreatic
1,3-Cycl (octahyd methybd methybd (idene)s (1Alpha(naxacalcitol	1,3-Cyclohexanediol, 4-methylene-5-(2- (octahydro-1-(1-{3-hydroxy-3- methylbutoxy)ethyl)-7a-methyl-4H-inden-4- yiidene)ethylidene)-, (1S- (1Alpha(R*),3aß,4E(1S*,3R*,5Z),7aAlpha))- [CAS]	103909-75-7	US 4	4891364	Hormone	Hyperparathyroidism

			Patent	Ħ		
API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
mazindol	3H-Imidazo[2,1-a]isoindol-5-ol, 5-(4- chlorophenyl)-2,5-dihydro- [CAS]	22232-71-9	SN	3763178	Anorectic/Antiobesity	Obesity
Mazipredone		13085-08-0				
MC-5723			SO	6043259	Cardiovascular	Unspecified
MCC-478	(2-amino-6-(4-methoxyphenylthio)-9-[2- (phosphonomethoxy)ethyl]purine bis(2,2,2- trifluoroethyl) ester)				Antiviral, other	Infection, hepatitis-B virus
MCI-154	3(2H)-Pyridazinone, 4,5-dihydro-6-[4-(4-pyridinylamino)phenyl]-, monohydrochloride [CAS]	98326-32-0 98326-33-1	립	145019	Cardiostimulant	Heart failure
m-Cresyl Acetate		122-46-3				
MDAM	Gamma-Methylene-10-deazaaminopterin				Anticancer, antimetabolite	Cancer, general
MDI-101			SO	4885311	Antiacne	Acne
MDI-403		403849-94-5	SN	4677120	Antiacne	Acne
MDL-100907	4-Piperidinemethanol, Alpha-(2,3- dimethoxyphenyl)-1-(2-(4- fluorophenyl)ethyl)-, (R)- [CAS]	139290-65-6			Hypnotic/Sedative	Sleep disorder, general
mebendazole	methyl-5-benzoylbenzimidazole-2- carbamate	31431-39-7	GB	1307306	Anthelmintic	
	Benzoic acid, 3,4-dimethoxy-, 4-[ethyl[z-(4-methoxyphenyl)-1-methylethyl]amino]butyl				-	-
mebeverine	ester [CAS]	3625-06-7			Antispasmodic	Irritable bowel syndrome
Mehrofenin		78266-06-5				
Mebutamate		64-55-1				
mecamylamine	Bicyclo(2.2.1)heptan-2-amine, N,2,3,3-tetramethyl- [CAS]	60-40-2			Neurological	Unspecified
Mechlorethamine		51-75-2				
Mechlorethamine Oxide		302-70-5				

API Generic Name	API Chemical Name	CAS NO	Patent Reference	t	Evample of Theraneutic Hee	Example of Indication
		20000	ויכובו	בווכב	П	Example of indication
	4-Thia-1-azabicvclof3.2.0lheptane-2-					
	carboxylic acid, 6-II(hexahydro-1H-azepin-					-
	1-vl)methylenelaminol-3.3-dimethyl-7-oxo-132887-01-7	32887-01-7				
mecillinam	[2S-(2Alpha,5Alpha,6.beta.)]- [CAS]	32887-03-9	GB 11	1293590	Penicillin, injectable	Infection, general
Meclizine		569-65-3				
Meclocycline		2013-58-3				
	Benzoic acid, 2-[(2,6-dichloro-3-		-			
	phenyl)amino]-, monosodium salt	6385-02-0				
meclofenamate	[CAS]	644-62-2			Antiarthritic, other	Arthritis, osteo
Meclofenamic Acid		644-62-2				
Meclofenoxate		51-68-3				
Mecloqualone		340-57-8				
Mecysteine		18598-63-5	-			
Medazepam		12/06/2898				
	Ethanamine, N,N-dimethyl-2,2-diphenoxy-					
medifoxamine		32359-34-5	FR ≅	M5498	Antidepressant	
Medrogestone		977-79-7				
Medronic Acid		1984-15-2	_			
	0-dione, 17-(acetyloxy)-6-		-			
-	methyl-,(6Alpha)	71-58-9				
medroxyprogesterone		520-85-4			Formulation, fixed-dose combinations	Contraceptive, female
Medrysone		2668-66-8	_			
Mefenamic Acid		61-68-7				
Mefenorex		17243-57-1				
Mefexamide		1227-61-8				
		51773-92-3				
mefloquine	4-Qumolinemethanol, Alpha-2-piperidinyl- 2,8-bis(trifluoromethyl)-, (R*,S*)-(±)-[CAS]	53230-10-7 69191-18-0	 38	1594282	Antimalarial	
Mefruside		7195-27-9				
Menestrol		505-33-5	+			
		0-00-000				
Meglumin		22154-43-4 131-49-7				
meglutol	2-hydroxy-2-methyl-1,3-propandicarboxylic acid	503-49-1	US 36	3629449	Hypolipaemic/Antiatherosclerosis	Hyperlipidaemia general

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melagatran	Glycine, N-[(1R)-2-[(2S)-2-[[[4- (aminoiminomethyl)phenyl]methyl]amino]c arbonyl]-1-azetidinyl]-1-cyclohexyl-2- oxoethyl]- [CAS]	159776-70-2	MO WO	WO 9616671	Antithrombotic	Thrombosis, general
melanocortin-4 agonist	N-[(3R)-1,2,3,4-Tetrahydroisoquinolinium-3-ylcarbonyl]-(1R)-1-(4-chlorobenzyl)-2-[4-cyclohexyl-4-(1H-1,2,4-triazol-1-ylmethyl)piperidin-1-yl]-2-oxoethylamine(1)				Anorectic/Antiobesity	Obesity
Melarsoprol		494-79-1				
Melengestroi		5633-18-1				
melevodopa	Alanine, 3-(3,4-dihydroxyphenyl)- methylester [CAS]	7101-51-1	G.	252290	Antiparkinsonian	Parkinson's disease
Melinamide		14417-88-0				
Melitracen		5118-29-6				
meloxicam		2	SN	4233299	Antiarthritic, other	Arthritis, rheumatoid
melperone	1-Butanone, 1-(4-fluorophenyl)-4-(4- methyl-1-piperidinyl)- [CAS]	1622-79-3 3575-80-2	띪	651144	Neuroleptic	
Melphalan		148-82-3				
meluadrine	Benzenemethanol, 2-chloro-Alpha-(((1,1-dimethylethyl)amino)methyl)-4-hydroxy-, (R ⁺ ,R ⁺))-2,3-dihydroxybutanedioate (1:1) (salt) [CAS]	134865-37-5	<u> </u>	420120	Labour inhibitor	Labour, preterm
memantine	Tricyclo[3.3.1.13,7]decan-1-amine, 3,5- dimethyl [CAS]	41100-52-1 19982-08-2	П	392059	Cognition enhancer	Dementia, AIDS-related
MEN-10700	Acetamide, 2-[[[(5R,6S)-6-[(1R)-1-hydroxyethyl]-2-methyl-7-oxo-4-thia-1-azabicyclo[3.2.0]hept-2-en-3-y]methylmethylamino]- [CAS]	195874-55-6	WO	9406803	Beta-lactam antibiotic	Infection, general

API Generic Name	API Chemical Name	CAS No.	Patent Reference	Example of Therapeutic Use	Example of Indication
	5,12-Naphthacenedione, 7-[[4-O-(3-amino-				
	2,3,6-trideoxy-Alpha-L-lyxo-				
	hexopyranosyl)-2,6-dideoxy-Alpha-L-lyxo-				
	hexopyranosyl]oxy]-7,8,9,10-tetrahydro-				
MEN-10755	o,s, 11-tilliyaloxy-s-(liyaloxyacety)-, hydrochloride, (7S,9S)- [CAS]	169317-77-5	WO 9509173	Anticancer, antibiotic	Cancer, breast
Menadiol		481-85-6			
Menadione		58-27-5			
Menadoxime		573-01-3			
Menbutone		3562-99-0			
Menogaril		71628-96-1			
MENT	7Alpha-Methyl-19-nortestosterone			Formulation transdermal evetemic	Contracentive male
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			official adjusted by the second of the secon	comacchaec, maic
menthol	CAS]	1490-04-6 89-78-1		Formulation, dermal, topical	Pruritus
Menthy! Valerate		89-47-4			
Meobentine		46464-11-3			
Meparfynol		77-75-8			
mepartricin	Partricin, methyl ester [CAS]	11121-32-7	US 3780173	Antifungal	Infection, Candida, general
Mepazine		6-68-09			
Mepenzolate Bromide		76-90-4			
Meperidine		57-42-1			
Mephenesin		59-47-2			
Mephenoxalone		70-07-5			
Mephentermine		100-92-5			
Mephenytoin		50-12-4			
Mephobarbital		115-38-8			
Mepindolol		23694-81-7			
Mepitiostane		21362-69-6			
	N-(2,6-Dimethylphenyl)-1-methyl-2- piperidinecarboxamide	8-88-96			
mepivacaine				Formulation, modified-release, >24hr	Pain, post-operative
Mepixanox		17854-59-0			

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
Meprednisone		1247-42-3				
Meprobamate		57-53-4				
meproscillarin	Bufa-4,20,22-trienolide, 3-[(6-deoxy-4-O-methyl-Alpha-L-mannopyranosyl)oxy]-14-hydroxy-, (3ß)- [CAS]	33396-37-1		1910207	Cardiostimulant	Heart failure
meptazinol	Phenol, 3-(3-ethylhexahydro-1-methyl-1H- 54340-58-8 azepin-3-yl)- [CAS]	54340-58-8 59263-76-2	89	1285025	Analgesic, other	Pain, general
mequitazine	10H-Phenothiazine, 10-(1- azabicyclo[2.2.2]oct-3-ylmethyl)- [CAS]	29216-28-2	gg Bg	1250534	Antiallergic, non-asthma	
Meralein		4386-35-0				
Meralluride		8069-64-5				
Merbromin		129-16-8				
Mercaptomerin		21259-76-7				
Mercumallylic Acid		86-36-2				
Mercuric Chloride,		10124-48-8				
Ammoniated						
Mercuric Oleate		1191-80-6				
Mercuric Oxycyanide		1335-31-5				
merimepodib	Carbamic acid, ((3-((((3-methoxy-4-(5-oxazolyl)phenyl)amino)carbonyl)amino)phenyl)methyl)- (3S)-tetrahydro-3-furanylester [CAS]	198821-22-6	Sn	5807876	Antiviral, other	Infection, hepatitis-C virus
	1-Azabicyclo[3.2.0]hept-2-ene-2-carboxylic acid, 3-[[5-[(dimethylamino)carbonyl]-3- pyrrolidiny]!thio]-6-(1-hydroxyethy)-4-					
meropenem	methy!-7-oxo-, [4R- [3(3S*,5S*),4Alpha,5ß,6ß(R*)]]- [CAS]	96036-03-2	В	126587	Beta-lactam antibiotic	Infection, respiratory tract, lower
Mersalyl		492-18-2				
Mesalamine		89-57-6				
mesalazine	Benzoic acid, 5-amino-2-hydroxy- [CAS]	89-57-6	WO	WO 5541170	Formulation, oral, other	Colitis, ulcerative
Mesna		19767-45-4				
Mesoridazine		5588-33-0				

ic Name API Chemical Name ne ne pam lilin line e Carbamic acid. [[(8ß)-1,6-dimethylergolin- 8-yllmethyll., phenylmethyl ester [CAS] Imfodicarbonimidic diamide. N.N-dimethyl [CAS] In e e Carbamic acid. [[(8ß)-1,6-dimethylergolin- 8-yllmethyll., phenylmethyl ester [CAS] Imfodicarbonimidic diamide. N.N-dimethyl [CAS] In e eletamine ol ol ostenolone elete ene elete ine ine ine ine ine ine ine ine ine in				,		
Art Chemical Name CAS No. Reference			:	Patent		:
521-11-9 1424-00-6 1424-00-6 1424-00-6 1424-00-6 172-33-3 135-58-0 14031-17-4 14031-17-17-4 14031-17-4		PI Chemical Name	CAS No.	Reference	Example of Therapeutic Use	Example of Indication
1424-00-6 72-33-3 135-58-0 84031-17-4 6489-97-0 21730-16-5 11 84031-17-4 6489-97-0 21730-16-5 11 84031-17-4 6489-97-0 21730-16-5 1730-17-3 1730-17	stanolone		521-11-9			
72-33-3 135-58-0 14031-17-4 6489-97-0 21730-16-5 16 586-06-1 586-06-0 586-06-0 586-06-0 586-06-0 586-06-0 586-06-0 586-06-0 586-06-0 586-06-0	sterolone		1424-00-6			
135-58-0 84031-17-4 1489-97-0 21730-16-5 158-06-1 586-06-1 158-06-1 586-06-1 1689-97-0 21730-16-5 1689-97-0 21730-16-5 1789-31-37-8 589-06-1 1789-31-37-8 589-06-1 1789-31-37-8 589-06-1 1789-31-37-8 589-06-0 1789-31-37-8 1789-31-37-8 1789-31-37-8 1789-31-31-31-38 1789-31-31-31-38 1789-31-31-31-38 1789-31-31-31-38 1789-31-31-31-38 1789-31-31-31-38 1789-31-31-31-38 1789-31-31-31-31-31-31-31-31-31-31-31-31-31-	stranol		72-33-3			
84031-17.4 6489-97-0 21730-16-5 186-06-1 586-06-1 586-06-1 586-06-1 586-06-1 586-06-1 586-06-1 586-06-1 586-06-1 586-06-1 586-06-1 586-06-1 586-06-1 586-06-1 586-06-1 586-06-1 586-06-0 586-	sulfen		135-58-0			
6489-97-0 21730-16-5 1 586-06-0 587-46-2 587-46-2 587-46-3 587-57-4 587-60-4 587-60-6 58	aclazepam		84031-17-4			
11 586-06-1 586-06-1 586-06-1 586-06-1 586-06-1 58-06-1 58-06-1 58-06-1 58-06-1 58-49-9 578-45-9 58-yljmethylj., phenylmethyl ester (CAS) 58-1-3 58-yljmethylj., phenylmethyl ester (CAS) 58-49-9 58-49-9 58-49-9 58-49-9 58-48-5 58-51-1 58-51-10-8 58-1-0-8 58-1-0-8 58-46-2 58-46-3 58-60-0	ampicillin		6489-97-0			
1 586-06-1 54-49-9 3734-52-9 17692-51-2 Carbamic acid, [[(88)-1,6-dimethylergolin-21631-37-8 8-yl methyll. phenylmethyl ester [CAS] 2706-42-5 Imidodicarbonimidic diamide, N,N-dimethyl 1706-42-5 CAS 62-51-1 914-00-1 62-51-1 914-00-1 62-51-1 914-00-1 76-99-3 531-06-6 537-46-2 521-10-8 537-46-2 537-46-5 537-46-3 91-80-5 537-46-5 50-11-3 554-57-4 1982-37-2 100-97-0 153-00-4 130-73-4 130-73-4 130-73-4 130-73-4 130-73-4 130-73-4 130-73-0-7-2 130-73-0	apramine		21730-16-5		To a second seco	
54-49-9 3734-52-9 17692-51-2 17692-51-2 17692-51-2 17692-51-2 17692-51-2 17692-51-2 17692-51-2 17692-51-1 17692-51-1 17692-51-1 17692-51-1 17692-51-1 17692-51-1 17692-3 176-99-3 176-99-3 176-99-3 176-99-3 176-99-3 176-99-3 176-99-3 176-99-3 176-99-3 176-99-3 176-99-3 176-99-3 176-99-3 176-99-3 176-99-3 176-99-3 176-97-0 176-97	aproterenol		586-06-1			
3734-52-9 17692-51-2 17692-51-2 17692-51-2 17692-51-2 17692-51-2 17692-51-2 17692-51-2 17692-51-2 17692-51-1 17692-51-1 176-20-1 176-39-3 176-39-3 176-39-3 176-6-6	araminol		54-49-9			
17692-51-2 Carbamic acid, [[(8ß)-1,6-dimethylergolin-21631-37-8 8-yllmethyl], phenylmethyl ester [CAS] 2706-42-5 GB Imidodicarbonimidic diamide, N,N-dimethyl E57-24-9 E2-51-1 914-00-1 76-99-3 531-06-6 531-06-6 537-46-2 531-06-6 537-46-2 531-06-6 537-46-6 531-06	azocine		3734-52-9			
8-yljmethyl}. phenylmethyl ester [CAS] 2706-42-5 GB Imidodicarbonimidic diamide, N,N-dimethyl (557-24-9) (CAS] (CA	့ ၂		17692-51-2 21631-37-8			
nine [CAS] Inine [CAS]		yl]methyl]-, phenylmethyl ester [CAS]	2706-42-5		Antiprolactin	Amenorrhoea
nine nolone		idodicarbonimidic diamide, N,N-dimethyl	0,0			
nolone			65/-24-9		Formulation, modified-release, <=24hr Diabetes, Type II	Diabetes, Type II
nolone	hacholine		62-51-1			
nolone	hacycline		914-00-1			
nine nolone	hadone		76-99-3			
olone e	hafuryl ne		531-06-6			
aolone	hamphetamine		537-46-2			
e e	handriol		521-10-8			
	handrostenolone		72-63-9			
	hantheline		53-46-3			
	hapyrilene		91-80-5			
	haqualone		72-44-6			
0	harbital		50-11-3			
	hazolamide		554-57-4			
	hdilazine		1982-37-2			
ne	henamine		100-97-0			
	henolone		153-00-4			
	hestrol		130-73-4			
	hetoin		2696-06-0			
	Methicillin		132-92-3			

API Generic Name	API Chemical Name	CAS No.	Reference	uce	Example of Therapeutic Use	Example of Indication
Methimazole		60-56-0				
Methiodal		126-31-8				
Methionic Acid		503-40-2				
Methionine		63-68-3				
Methisazone		1910-68-5				
Methitural		467-43-6				
Methixene		02/02/4969				
Methocarbamol		532-03-6				
Methohexital		22151-68-4				
	L-Glutamic acid, N-[4-[[(2,4-diamino-6-pteridinyl)methyl]methylamino]benzoyl]-					
methotrexate	[CAS]	59-05-2	NS 25	2512572	Anticancer, antimetabolite	Cancer, general
Methotrimeprazine		60-99-1				
Methoxamine		390-28-3				
Methoxsalen		298-81-7				
Methoxyflurane		76-38-0				
Methoxyphenamine		93-30-1				
Methoxypromazine		61-01-8				
Methscopolamine		155-41-9				
Methsuximide		77-41-8				
Methyclothiazide		135-07-9				
Methyl Blue		28983-56-4				
Methyl Nicotinate		93-60-7				
Methyl Propyl Ether		557-17-5				
Methyl Salicylate		119-36-8				
Methyl tert-Butyl Ether		1634-04-4				
Methylbenzethonium		25155-18-4				
Chloride	10.					
Methylcobalamin		13422-55-4				
methyldopa	L-Tyrosine, 3-hydroxy-Alpha-methyl- [CAS]	555-30-6			Formulation, modified-release, <=24hr Hypertension, general	Hypertension, general
Methylene Blue		61-73-4				
Methylergonovine	1 to the state of	113-42-8			The state of the s	

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			Patent	ב ב	_	
API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
Methylhexaneamine		105-41-9				
methylphenidate	2-Piperidineacetic acid, Alpha-phenyl., methyl ester [CAS]	113-45-1 298-59-9			Formulation, modified-release, multi	Attention deficit disorder
Methylprednisolone		83-43-2				
methylprednisolone aceponate	Pregna-1,4-diene-3,20-dione, 21- (acetyloxy)-11-hydroxy-6-methyl-17-(1- oxopropoxy)-, (6Alpha,118)- [CAS]	86401-95-8	EP	72547	Antipruritic/inflamm, allergic	Pruritus
methylprednisolone suleptanate	Pregna-1,4-diene-3,20-dione, 11,17-dihydroxy-6-methyl-21-[[8-[methyl(2-sulfoethyl)amino]-1,8-dioxooctyl[oxy]-,monosodium salt, (6Alpha,118)- [CAS]	90350-40-6	<u>-</u>	59137500	Antiasthma	Asthma
Methylthiouracil		56-04-2				
Methyltrienolone		965-93-5				
Methyprylon		125-64-4				
Methysergide		361-37-5				
Metiazinic Acid		13993-65-2				
metipranolol	Phenol, 4-[2-hydroxy-3-[(1- methylethyl)amino]propoxy]-2,3,6-trimethyl, , 1-acetate [CAS]	22664-55-7	89	1206148	Antihypertensive, adrenergic	
metoclopramide	Benzamide, 4-amino-5-chloro-N-[2- (diethylamino)ethyl]-2-methoxy- [CAS]	364-62-5			Formulation, modified-release, <=24hr	Gastro-oesophageal reflux
Metocurine lodide		7601-55-0				
Metofenazate		388-51-2				
metolazone	6-Quinazolinasulfonamide, 7-chloro- 1,2,3,4-tetrahydro-2-methyl-3-(2- methylphenyl)-4-oxo- [CAS]	17560-51-9	SN	4517179	Antihypertensive, diuretic	
Metopimazine		14008-44-7				
Metopon		143-52-2				
metoprolol	2-Propanol, 1-[4-(2- methoxyethyl)phenoxy]-3-[(1- methylethyl)amino]-, (+/-)- [CAS]	51384-51-1 56392-17-7 37350-58-6			Formulation, modified-release, other	Hypertension, general
Metralindole		54188-38-4				
Metrizamide		31112-62-6				
Metrizoic Acid		1949-45-7				
Metron S		13946-02-6				

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API Generic Name	API Chemical Name	•	Refe	Reference	Example of Therapeutic Use	Example of Indication
Metyrapone		54-36-4				
Metyrosine		672-87-7				
Mexazolam		31868-18-5				
Mexenone		1641-17-4				
Mexiletine		31828-71-4				
rijji vojav tu	4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid. 3.3-dimethyl-6-[[[[]3-(methylsulfonyl)-2-oxo-1-imidazolidinyl]carbonyl]amino]phenylacetyl 42057-22-7 Jamino]-7-oxo-, [2S-51-25-7-25-7-25-7-25-7-25-7-25-7-25-7-2		a	1201061	oldosonic cilicino	Infontion control
MFH-244	Benzenecarboximidic acid, 3,4,5-trihydroxy-, ethyl ester, hydrochloride		3 3	4623659	Cardiovascular	Reperfusion injury
mianserin	Dibenzo[c,f]pyrazino[1,2-a]azepine, 21535-47-7		GB	1173783	Antidepressant	Depression, general
Mibefradil		116644-53-2				
Miboplatin		103775-75-3				
Micafungin		235114-32-6				
miconazole	1H-Imidazole,1-(2,4-dichlorophenyl)-2[2,4- dichlorophenyl)methoxy ethyl]	22916-47-8			Formulation, modified-release, other	Infection, Candida, general
Micronomicin		52093-21-7				
midaxifylline	1H.Purine-2,6-dione, 8-(1- aminocyclopentyl)-3,7-dihydro-1,3-dipropyl [CAS]	151159-23-8	SN	5378844	Cardiovascular	Unspecified
midazolam	4H-Imidazo[1,5-a][1,4]benzodiazepine, 8-chloro-6-(2-fluorophenyl)-1-methyl-[CAS]	59467-70-8 59467-94-6	SN	4280957	Anaesthetic, injectable	
midecamycin	Leucomycin V, 3,4B-dipropanoate [CAS]	35457-80-8	SN	3761588	Macrolide antibiotic	Infection, general
midecamycin acetate	Leucomycin V, 3B,9-diacetate 3,4B-dipropanoate [CAS]	55881-07-7	<u> </u>	49124087	Macrolide antibiotic	Infection, general
midesteine	2-Thiophenecarbothioic acid, S-{1-methyl- 2-oxo-2-{(tetrahydro-2-oxo-3- thienyl)aminojethyl ester [CAS]	94149-41-4	급	120534	COPD treatment	Emphysema, general

API Generic Name	API Chemical Name	CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
midodrine	Acetamide, 2-amino-N-[2-(2,5-dimethoxyphenyl)-2-hydroxyethyl]- [CAS] 42794-76-3	42318-56-0 42794-76-3	U	164571	Urological	Incontinence
midostaurin	Benzamide, N-(2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3;2,1'-Im]pyrrolo[3,4-ji[1,7]benzodiazonin-11-yl)-N-methyl-, (9Alpha,108,118,13Alpha)-ICASI	120685-11-2	۵	296110	Anticancer, other	Cancer, leukaemia, acute myelogenous
mifepristone	Estra-4,9-dien-3-one, 11-[4- (dimethylamino)phenyl]-17-hydroxy-17-(1- propynyl)-, (118,178)- [CAS]	84371-65-3	E E	57115	Abortifacient	Abortion
miglital	3.4.5-Piperidinetriol, 1-(2-hydroxyethyl)-2- (hydroxymethyl)-, [2R- (2Alpha,3ß,4Alpha,5ß)- [CAS]	72432-03-2	G	55431	Antidiabetic	Diabetes, Type I
miglustat		72599-27-0	吕	2758025	Metabolic and enzyme disorders	Gaucher's disease
mildronate	Hydrazinium, 2-(2-carboxyethyl)-1,1,1- trimethyl-, inner salt- [CAS]	76144-81-5	Q M	8001068	Cardiostimulant	Heart failure
milnacipran	Cyclopropanecarboxamide, 2- (aminomethyl)-N,N-diethyl-1-phenyl-, cis- (±)-[CAS]	101152-94-7 92623-85-3	Sn	4478836	Antidepressant	Depression, general
Miloxacin	3 4 Biounding 15 controlled 18 difudes	37065-29-5				
milrinone	(3,4-bipyridine]-5-carbonitrile, 1,5-dinydro- 2-methyl-6-oxo- [CAS]	78415-72-2	Sn	4313951	Cardiostimulant	Heart failure
milefosine		53949-20-5 58066-85-6	EP	225608	Anticancer, other	Cancer, skin, general
minaprine	4-Morpholineethanamine, N (4-methyl-6-phenyl-3-pyridazinyl)- [CAS]	25905-77-5 25953-17-7	GB	1345880	Antidepressant	Depression, general

API Generic Name	API Chemical Name	CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
minocycline	2-Naphthacenecarboxamide, 4,7-bis(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,10,12,12a-tetrahydroxy-1,11-dioxo-, [4S-(4Alpha,4aAlpha,5a.alpha.,12aAlpha)]-[CAS]	10118-90-8			Formulation, optimized, microparticles	Infection, oral
minodronic acid	Phosphonic acid, (1-hydroxy-2- imidazo(1,2-a)pyridin-3-ylethylidene)bis-, [CAS]	180064-38-4	di di	354806	Anticancer, other	Cancer, myeloma
minoxidil	2,4-Pyrimidinediamine, 6-(1-piperidinyl)-, 3- oxide [CAS]	38304-91-5	Sn	4139619	Vasodilator, peripheral	Hypertension, general
Miokamycin		55881-07-7				
mirtazapine		85650-52-8 61337-67-5	GB	1543171	Antidepressant	Depression, general
misoprostol	Prost-13-en-1-oic acid, 11,16-dihydroxy-16 methyl-9-oxo-, methyl ester, (11Alpha,13E)-(±)- [CAS]	59122-46-2 59122-48-4	SN	4301146	Prostaglandin	Ulcer, gastric
mitemcinal	Erythromycin, 8,9-didehydro-N-demethyl-9-deoxo-6,11-dideoxy-6,9-epoxy-12-O-methyl-N-(1-methylethyl)-11-oxo-, (2E)-2-butenedioate (2:1) [CAS]	154802-96-7	wo	9324509	Gastroprokinetic	Gastro-oesophageal reflux
mitglinide	Calcium (2S)-2-benzyl-3-(cis-hexahydro-2-isoindolinylcarbonyl)propionate, dihydrate-[CAS]	145525-41-3	EP	507534	Antidiabetic	Diabetes, Type II
Mitobronitol		488-41-5				
Mitoguazone		459-86-9				
mitolactol	Galactitol, 1,6-dibromo-1,6-dideoxy- [CAS] 10318-26-0	10318-26-0	Sn	3993781	Anticancer, alkylating	Cancer, cervical

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API Generic Name	API Chemical Name	CAS No.	Refer	၁၁	Example of Therapeutic Use	Example of Indication
	Azirino[2',3':3,4]pyrrolo[1,2-a]indole-4,7-				Т	
	dione, 6-amino-8-		_			
	[[(aminocarbonyl)oxy]methyl]-					
	1,1a,2,8,8a,8b-hexahydro-8a-methoxy-5-					
mitomycin	(1aAlpha,8ß,8aAlpha,8bAlpha)]- [CAS]	50-07-7			Formulation, parenteral, other	Cancer, stomach
Mitotane		53-19-0				
	9,10-Anthracenedione, 1,4-dihydroxy-5,8-					
mitoxantrone	DIS[[Z-[(Z-hydfoxyethyl)aminojethyljaminoj- 65271-80-9 ICASI		<u>u</u>	4197240	Anticancer other	Cancar broad
			$\neg \tau$			Calicer, Dreast
	9,10-Anthracenedione, 1,4-dihydroxy-5,8-	0 00 750				
mitoxantrone	Distractive oxyemy) Distractive oxyemy)	70476-82-9			Formulation, optimized, liposomes	Cancer, general
MIV-210	(3'-Fluoro-2'-3'-dideoxy guanosine)				Antiviral, other	Infection, hepatitis-B virus
	Isoquinolinium, 2,2'-[(1,8-dioxo-4-octene-					
	1.8-divl)bis(oxv-3.1-					
	propanediv()1bis[1.2.3.4-tetrahydro-6.7-					
	dimethoxv-2-methyl-1-[(3.4.5-					
	trimethoxyphenyl)methyll-, dichloride, [R-					
mivacurium	[R*,R*-(E)]]]- [CAS]	106861-44-3	EP	181055	Muscle relaxant	Anaesthesia, adjunct
Mivazerol		125472-02-8				
	4(1H)-Pyrimidinone, 2-[[1-[1-[4-					
Caitaclastin	fluorophenyl)methyl]-1H-benzimidazol-2-				191	Ottonio alle consultatione
mizolastine	yij-4-piperidinyijmemyiaminoj- [CAS]	108612-45-9	F Z	21//00	Antiallergic, non-astrima	Khinitis, allergic, general
Mizoribine		50924-49-7				
	(R)-N-(3-quinuclidinyl)-7-oxo-4,7- dihydrothieno[3 2-bloyridine-6-					
MKC-733	carboxamide hydrochloride	194093-42-0	<u>a</u>	09216888	Gastroprokinetic	Gastro-oesophageal reflux
	7 C and and C Colonidate C and a					
	o-Oxa-z-azanicycio[3.2.0]neptanie-3,7- diona 1-[/18)-1-hydroxy-2-mathylaroxy[14]					
MLN-519	propyl-, (1R,4R,5S)- [CAS]	211866-70-5	OM.	9915183	Neuroprotective	Ischaemia, cerebral
	4-Methoxy-benzo[a]phenazine-11-		\dagger			
	carboxylic acid (2-(dimethylamino)-1-(R)-					
MLN-576	meunyieunyi)-armoe				Anticancer, other	Cancer, general
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API Generic Name	API Chemical Name	CAS No.	Ref	Reference	Example of Therapeutic Use	Example of Indication
moclobemide	Benzamide, 4-chloro-N-[2-(4- morpholinyl)ethyl]- [CAS]	71320-77-9	ΕĐ	326023	Antidepressant	Depression, general
modafini)	Acetamide, 2-[(diphenylmethyl)sulfinyl]- [CAS]	68693-11-8	띰	2809625	Psychostimulant	Narcolepsy
moexipril	3-Isoquinolinecarboxylic acid, 2-[2-[[1- (ethoxycarbonyl)-3-phenylpropyl]amino]-1- oxopropyl]-1,2,3,4-tetrahydro-6,7- idimethoxy- (3S-(2(R*(R*)),3R*))- [CAS]	103775-10-6 103775-14-0	Sn	4344949	Antihypertensive, renin system	Hypertension, general
Mofarotene		125533-88-2				
Mofebutazone		2210-63-1				
Mofegiline		119386-96-8				
mofezolac	5-Isoxazoleacetic acid, 3,4-bis(4- methoxyphenyl)- [CAS]	78967-07-4	В	26928	Analgesic, NSAiD	Pain, post-operative
	N-[4-(aminomethyl)benzylJ-8(S)-11-[4-[2-(4-aminophenyl)-acetamido]butyryl]piperidin-4-ylJ-2-(naphthalen-1-ylmethyl)-1,3-dioxo-2,3,5,8-tetrahydro-1H-[1,2,4]triazolo[1,2-a]pyridazine-5(R)-carboxamide					
MOL-6131					Antiasthma	Asthma
Molindone		7416-34-4		!		
molsidomine	Sydnone imine, N-(ethoxycarbonyl)-3-(4-morpholinyl)- [CAS]	25717-80-0	sn	3769283	Vasodilator, coronary	
mornetasone	Pregna-1,4-diene-3,20-dione, 9,21- dichloro-11,17-dihydroxy-16-methyl-, (118,16Alpha)- [CAS]	105102-22-5 83919-23-7	ם	57401	Antipruritic/inflamm, allergic	Psoriasis
Monatepil		103377-41-9				
Monobenzone		103-16-2				
monolaurin	Dodecanoic acid, monoester with 1,2,3- propanetriol [CAS]	27215-38-9	SN	4885282	Dermatological	Ichthyosis
	Cyclopropaneacetic acid, 1-[[[1-[3-[2-(7-Chloro-2-quinoliny])etheny]]pheny][-3-[2-(1-bardroom 4-					
montelukast	methylethyl)phenyl]propyl[thio]methyl]-, [CAS]	151767-02-1 158966-92-8			Antiasthma	Asthma
Monteplase		122007-85-6				

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API G neric Name	API Chemical Name	CAS No.	Ref	Reference	Example of Therapeutic Use	Example of Indication
Moperone		1050-79-9			; ;	
Mopidamol		13665-88-8				
Moprolol		5741-22-0				
moracizine	Carbamic acid, [10-[3-(4-morpholinyl)-1- oxopropyl]-10H-phenothiazin-2-yl]-, ethyl ester [CAS]	29560-58-5 31883-05-3	Sn	3864487	Antiarrhythmic	Tachycardia, ventricular
Morazone		6536-18-1				
Moricizine		31883-05-3				
Moroxydine		3731-59-7				
Morphazinamide		952-54-5				
morphine	57-27-2 Morphinan-3,6-diol, 7,8-didehydro-4,5- 6055-06 epoxy-17-methyl- (5Alpha,6Alpha). [CAS]64-31-3	57-27-2 6055-06-7 64-31-3			Formulation, parenteral, other	Pain, cancer
morphine-6-glucuronide	morphine-6-glucuronide				Formulation, inhalable, systemic	Pain, general
mosaoramine	Spiro[imidazo[1,2-a]pyridine-3(2H),4'-piperidin]-2-one, 1-[3-(3-chloro-10,11-dihydro-5H-dibenz[b,f]azepin-5-yDropyllhexahydro- (+/)-ICASI	89419-40-9 98043-60-8	<u>u</u>	4337260	Neurolantic	
	1/h - h] / / []	00000	3	2001	oldoopa	
mosapride	Benzamide, 4-amino-5-chloro-2-ethoxy-N- ((4-((4-fluorophenyl))methyl)-2- morpholinyl)methyl)- [CAS]	112885-41-3 112885-42-4	굡	243959	GI inflammatory/bowel disorders	Gastritis
	Gadolinium, bis(acetetato-kappaO)(9,10-diethyl-20,21-bis(2-(2-(2-methoxy)ethoxy)-4,15-dimethyl-8,11-imino-3,16:16,13-dinitrilo-1,18-benzodiazacycloeicosine-5,14-dipropanalato-kappaN1, kappaN18, kappaN23, kappaN24, kappaN25), (PB-7-					
motexafin gadolinium	11-233'2'4) [CAS]	246252-06-2			Radio/chemosensitizer	Cancer, brain
Motretinide		56281-36-8				
Moveltipril		85856-54-8				
Moxalactam		64952-97-2				
Moxastine		3572-74-5				
Moxaverine		10539-19-2				
Mox strol		34816-55-2				

API Generic Name	API Chemical Name	CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
moxifloxacin	3-Quinolinecarboxylic acid, 1-cyclopropyl-6 fluoro-1,4-ditydro-8-methoxy-7-(octahydro- 6H-pyrrolo(3,4-b)pyridin-6-yl)-4-oxo-, hydrochloride (4aS-cis)- [CAS]	186826-86-8 151096-09-2		19546249	Quinolone antibacterial	Infection, respiratory tract, general
moxisylyte	Phenol, 4-[2-(dimethylamino)ethoxy]-2- methyl-5-(1-methylethyl)-, acetate (ester), [CAS]	964-52-3 54-32-0			Male sexual dysfunction	Impotence
moxonidine	5-Pyrimidinamine, 4-chloro-N-(4,5-dihydro- 1H-imidazol-2-yl)-6-methoxy-2-methyl- [CAS]	75438-57-2	DE 2	2849537	Antihypertensive, other	Hypertension, general
M-PGA	(-)-(S)-2-Methyl-2-(1-oxo-2,3-dihydro-1H- isoindol-2-yl)pentanedioic acid		Sn	5712291	Anticancer, other	Cancer, general
MPI-5010	Platinum diamminedichioro. (SP-4-2) + (R)-4-[1-hydroxy-2-(methylamino)-ethyl]- 1,2-benzenediol		SU 6	6224883	Formulation, parenteral, other	Cancer, head and neck
MPI-5020	2,4(1H,3H)-Pyrimidinedione, 5-fluoro- [CAS]		Sn	5750146	Formulation, parenteral, other	Cancer, breast
MPL		198076-81-2			nulant, other	Vaccine adjunct
MRS-1754			US 6	6060481	Antiasthma	Asthma
MS-209	1-Piperazineethanol, 4-(diphenylacetyl)- Alpha-{(5-quinolinyloxy)methyl}-, (2E)-2- butenedioate(2:3) (salt) [CAS]	158681-49-3			Radio/chemosensitizer	Cancer, breast
MS-275	N-(2-Aminophenyl)-4-[N-(pyridin-3-yl-methoxycarbonyl)aminomethyl]benzamide				Anticancer, antimetabolite	Cancer, lung, general
MS-325		201688-00-8	-			
MS-377			ED ED	839805	Neuroleptic	Schizophrenia
Mupirocin		12650-69-0				
Muscarin		300-54-9				
Muzolimine		55294-15-0	- 1			
MX-1013			ns e	6153591	Hepatoprotective	Unspecified

API Generic Name	API Chemical Name	CAS No.	Patent Reference	t ence	Example of Therapeutic Use	Example of Indication
		4 rċ	0M	9119498	Immunosuppressant	Transplant rejection, general
mycophenolic acid	4-hexanoic acid, 6-(1,3-dihydro-4-hydroxy-6-methoxy-7-methyl-3-oxo-5-isobenzofuranyl)-4-methyl-,	37415-62-6 24280-93-1			Formulation, oral, enteric-coated	Transplant rejection, general
Myrophine		467-18-5				
N- (Hydroxymethyl)nicotina mide		3569-99-1				
N,N,N',N'- Tetraethylphthalamide		83-81-8				
Nz-Formylsulfisomidine		795-13-1				
N₄-β-ը- Glucosylsulfanilamide		53274-53-6				
N₄- SulfanilyIsulfanilamide		547-52-4				
Nabilone		51022-71-0		 		
nabumetone	2-Butanone, 4-(6-methoxy-2-naphthalenyl)- [CAS]	42924-53-8	GB 1	1476721	Anti-inflammatory	Arthritis, osteo
N-acetylcysteine	L-Cysteine, N-acetyl- [CAS]	616-91-1	-		Anticancer, other	Cancer, general
N-Acety/methionine		65-82-7				
nadifloxacin	1H,5H-Benzo[ij]quinolizine-2-carboxylic acid, 9-fluoro-6,7-dihydro-8-(4-hydroxy-1- piperidinyl)-5-methyl-1-oxo-, (+/-)- [CAS]	124858-35-1	US 4	4399134	Quinolone antibacterial	Acne
nadoloi	2,3-Naphthalenediol, 5-[3-[(1,1- dimethylethyl)amino]-2-hydroxypropoxy]- 1,2,3,4-tetrahydro- [CAS]		US 4	4346106	Antihypertensive, adrenargic	
Nadoxoloi		54063-51-3				

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API Generic Name	API Chemical Name	CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
nafamostat	Benzoic acid, 4- [(aminoiminomethyl)amino]-, 6- (aminoiminomethyl)-2-naphthalenyl ester- [CAS]	80251-32-7 81525-10-2 82956-11-4	EP	450232	GI inflammatory/bowel disorders	Pancrealitis
nafarelin	Luteinizing hormone-releasing factor (pig), 6-[3-(2-naphthalenyl)-D-alanine]-[CAS]	76932-56-4 86220-42-0	Б	21234	Releasing hormones	Endometriosis
Nafcillin		147-52-4				The state of the s
Nafronyl		31329-57-4				
	2-Furanpropanoic acid, tetrahydro-Alpha- (1-naphthalenylmethyl)-, 2- (diethylamino)ethyl ester					
naftidrofuryl		31329-57-4			Formulation, modified-release, other	Unspecified
naftifine	1-Naphthalenemethanamine, N-methyl-N- 65472-88-0 (3-phenyl-2-propenyl)-, (E)- [CAS] 65473-14-5	65472-88-0 65473-14-5	Sn	4282251	Antifungal	Infection, dermatological
naftopidil	1-Piperazineethanol, 4-(2-methoxyphenyl)- Alpha-[(1-naphthalenyloxy)methyl]- [CAS] 57149-07-2	57149-07-2	SN	3997666	Antihypertensive, adrenergic	Hypertension, general
nalbuphine	Morphinan-3,6,14-triol, 17- (cyclobutylmethyl)-4,5-epoxy-, (5Alpha,6Alpha)- [CAS]	20594-83-6 23277-43-2	Sn	3393197	Analgesic, other	Pain, general
Nalidixic Acid		389-08-2				
nalmefene	Morphinan-3, 14-diol, 17- (cyclopropylmethyl)-4,5-epoxy-6- methylene-,(5Alpha)-[CAS]	55096-26-9	q.	56167687	Dependence treatment	Poisoning, drug
Nalorphine		62-67-9				
naloxone	Morphinan-6-one, 17-allyl-4,5Alpha-epoxy-357-08-4 3,14-dihydroxy-, hydrochloride [CAS]	357-08-4 465-65-6			Septic shock treatment	
naltrexone	Morphinan-6-one, 17-(cyclopropylmethyl)- 16590-41-3 4,5-epoxy-3,14-dihydroxy-, (5Alpha)-[CAS] 16676-29-2	16590-41-3 16676-29-2	SN	3332950	Dependence treatment	Addiction, narcotic/opiate
NAMI	Imidazolium trans(imidazole)(dimethylsulfoxide)tetrachl ororuthenate (III)				Anticancer, other	Cancer, general

API Generic Name	API Chemical Name	CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
naminidil	Guanidine, N-cyano-N'-(4-cyanophenyl)- N'-[(1R)-1,2,2-trimethylpropyl]-[CAS]	220641-11-2			Dermatological	Alopecia, general
Nandrolone		434-22-0				
Naphazoline		835-31-4				
Naphthalene		91-20-3				
	Methanaminium, 1-carboxy-N, N, N- trimethyl- salt with (R)-6-methoxy- Alpha-			-		
naproxen betainate	sodium salt [CAS]	104124-26-7	Sn	4672077	Antiarthritic, other	Arthritis, rheumatoid
naproxen	2-Naphthaleneacetic acid, 6-methoxy- Alpha-methyl-, [CAS]	26159-34-2 22204-53-1	gg GB	1211134	Analgesic, NSAID	Pain, general
naratriptan	1H-Indole-5-ethanesulfonamide, N-methyl-3-(1-methyl-4-piperidinyl)- [CAS]	121679-13-8	G.	303507	Antimigraine	Migraine
Narceine		131-28-2				
Narcobarbital		125-55-3				
Natamycin		7681-93-8				
nateglinide	D-phenylalanine, N-{(4-(1- methylethyl)cyclohexyl)carbonyl)-, trans- [CAS]	105816-04-4	ЕР	196222	Antidiabetic	Diabetes, Type II
N-Butyldeoxynojirimycin		72599-27-0				
N- Butylscopolammonium Bromide		149-64-4				
NC-503			Sn	5643562	Anti-inflammatory	Amyloidosis
NC-531			SN	5643562	Cognition enhancer	Alzheimer's disease
NCX-1000			OM M	0061604	Hepatoprotective	Cirrhosis, hepatic
NCX-4016	Benzoic acid, 2-(acetyloxy)-, 2- ((nitrooxy)methyl)phenyl ester [CAS]	175033-36-0	Q _M	9716405	Symptomatic antidiabetic	Insulin-related metabolic syndrome
NCX-456	Benzoic acid, 5-amino-2-hydroxy-, 4- (nitrooxy)butyl ester [CAS]	256499-26-0			Gl inflammatory/bowel disorders	Inflammatory bowel disease

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API Generic Name	API Chemical Name	CAS No.	Patent Referei	Patent Reference	Example of Therapeutic Use	Example of Indication
NCX-950	Alpha-[[(1,1-dimethylethyl)amino]methyl]-4 hydroxyl-1,3-benzenedimethanol nitrate				Antiesthma	Asthma
n-Docosanol		661-19-8				
NE-100	Benzeneethanamine, 4-methoxy-3-(2- phenylethoxy)-N,N-dipropyl-, hydrochloride [CAS]	149409-57-4	OM OM	9307113	Neuroleptic	Schizophrenia
N albarbital		561-83-1				
nebivolo!	2H-1-Benzopyran-2-methanol, Alpha,Alpha'-[iminobis(methylene)]bis(6- fluoro-3,4-dihydro]-, (2R*(R*(R*(S*))))-(1+)-118457-14-0 [CAS]		d3	145067	Antihypertensive, adrenergic	Hypertension, general
nebostinel	N1-(4,4-Dimethylcyclohexyl)-L- isoglutamine	163000-63-3	EP	0688312	Cognition enhancer	Unspecified
Nebracetam		97205-34-0				
nedaplatin	Platinum, diammine[hydroxyacetato(2-)- O1,O2]-, (SP-4-3)- [CAS]	95734-82-0	GH.	216362	Anticancer, alkylating	
nedocromil	4H-Pyrano[3,2-g]quinoline-2,8-dicarboxylic acid, 9-ethyl-6,9-dihydro-4,6-dioxo-10- propyl- [CAS]	69049-73-6 69049-74-7	EP	555718	Antiasthma, Ophthalmological	Rhinitis, allergic, general, Ocular disorder, general
nefazodone	3H-1,2,4-Triazol-3-one, 2-[3-{4-(3- chlorophenyl)-1-piperazinyl]propyl]-5-ethyl-82752-99-6 2,4-dihydro-4-(2-phenoxyethyl)-, [CAS] 83366-66-9		SN	4338317	Antidepressant	Depression, general
nefiracetam	1-Pyrrolidineacetamide, N-(2,6- dimethylphenyl)-2-oxo- [CAS]	77191-36-7	Sn	4341790	Cognition enhancer	Dementia, senile, general
nefopam	1H-2,5-Benzoxazocine, 3,4,5,6-tetrahydro-5-methyl-1-phenyl- [CAS]	13669-70-0 23327-57-3	Sn	3487153	Analgesic, NSAID	
Negamycin		33404-78-3				
nelfinavir	3-Isoquinolinecarboxamide, N-(1,1-dimethylethyl)decahydro-2-(2-hydroxy-3-((3-hydroxy-2-methylbenzoyl)amino)-4-(phenylthio)butyl)-, (3S-(2(2S*,3S*),3Alpha,4aß,8aß))-, [CAS]	159989-65-8 159989-64-7			Antiviral, anti-HIV	Infection, HIV/AIDS
Nemonapride		75272-39-8				
Neostigmine		59-99-4				

API Generic Name	API Chemical Name	CAS No	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
toti booo	Cyclo[3-amino-L-alanyl-L-leucyl-N-[2- (acetylamino)-2-deoxy-ß-D- glucopyranosyl]-L-asparaginyl-L-Alpha- aspartyl-L-tryptophyl-L-phenylalanyl], (4-1)-	u	Ç	06.2846.7		Actions
	1,3,3,5,5-pentamethylcyclohexylamine					
ומימווס	Phosphonic acid, (6-amino-1-	0-60-010617			חבלים ותפווכם וופווני	אלטוכיוי, פולטוסו
neridronic acid	hydroxyhexylidene)bis- [CAS]	79778-41-9			Musculoskeletal	Osteogenesis imperfecta
Neriifolin		466-07-9				
N-Ethylamphetamine		457-87-4				
neticonazole	1H-Imidazole, 1-[2-(methylthio)-1-[2- (pentyloxy)phenyl]ethenyl]-, monohydrochloride, (E)- [CAS]	130773-02-3 130726-68-0	EP	445540	Antifungal	Infection, Candida, general
	D-Streptamine, O-3-deoxy 4-C-methyl-3- (methylamino)-ß-L-arabinopyranosyl-(1-6)- O-[2,6-diamino-2,3,4,6-tetradeoxy-Alpha-D olycero-hex-4-enopyranosyl-(1-4)]-2-deoxy-56391-56-1	56391-56-1				
netilmicin	N1-ethyl- [CAS]		68	1473733	Aminoglycoside antibiotic	Infection, general
nevirapine	6H-Dipyrido[3,2-b.2,3'-e][1,4]diazepin-6- one, 11-cyclopropyl-5,11-dihydro-4-methyl- [CAS]	129618-40-2	EP	429987	Antiviral, anti-HIV	Infection, HIV/AIDS
NGD-98-2			OM	9635689	Anxiolytic	Anxiety, general
Nialamide		51-12-7				
Niaprazine		27367-90-4				
Nicametate		3099-52-3				
nicaraven	3-Pyridinecarboxamide, N,N'-(1-methyl-1,2 ethanediyl)bis- [CAS]	79455-30-4	Н	29602	Neuroprotective	Haemorrhage, subarachnoid
nicardipine	3,5-Pyridinedicarboxylic acid, 1,4-dihydro- 2,6-dimethyl-4-(3-nitrophenyl)-, methyl 2- [methyl(phenylmethyl)amino]ethyl ester [CAS]	54527-84-3 55985-32-5	SN	3985758	Neuroprotective	Hypertension, general
nicergoline	Ergoline-8-methanol, 10-methoxy-1,6- dimethyl-, (8/b)-, 5-bromo-3- pyridinecarboxylate(ester)	27848-84-6			Formulation, modified-release, other	Unspecified

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API Gen ric Name	API Chemical Name		Refe	Reference	Example of Therapeutic Use	Example of Indication
Niceritrol		5868053				
Niclosamide		20-65-7				
Nicoclonate		10571-59-2				
Nicofuranose		15351-13-0				
Nicomol		27959-26-8				
Nicomorphine		639-48-5				
nicorandil	3-Pyridinecarboxamide, N-[2- (nitrooxy)ethyl]- [CAS]	65141-46-0	Sn	4792564	Vasodilator, coronary	Hypertension, general
Nicotinamide	1	98-92-0				
nicotine	Pyridine, 3-(1-methyl-2-pyrrolidinyl)-, (S)- [CAS]	54-11-5			Formulation, inhalable, other	Addiction, nicotine
Nicotinic Acid		59-67-6				
Nicotinic Acid Benzyl		94-44-0				
Ester						
Nicotinyl Alcohol		100-55-0				
nifedipine	4-(2'-nitrophenyl)-2,6-dimethyl-3,5- dicarbomethoxy-1,4-dihydropyridine	21829-25-4	GB	1173862	Vasodilator, coronary	Hypertension, general
	2.4(1H.3H)-Pyrimidinedione, 6-[[2-[(2-					
nifekalant	hydroxyethy)(3-(4- nitropheny))propy[amino]ethy]jamino]-1,3- 130656-51-8	130636-43-0 130656-51-8	<u>a</u> .	369627	Antiarrhythmic	Arrhythmia. general
Nifonalol		7413-36-7	- 1			
Niflumic Acid		4394-00-7				
Nifuratel		4936-47-4				
Nifurfoline		3363-58-4				
Nifuroxazide		965-52-6				
Nifuroxime		6236051				
Nifurpirinol		13411-16-0				
Nifurprazine		1614-20-6				
Nifurtimox		23256-30-6				
Nifurtoinol		1088-92-2				

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API Generic Name	API Chemical Name	CAS No.	Refer	Reference	Example of Therapeutic Use	Example of Indication
	2-Thiophenecarboxylic acid, 5-nitro-, [3-(5-nitro-2-furanyl)-2-propenylidene]hydrazide					
nifurzide	[CAS]	2	<u>ေ</u> Sn	3847911	Antidiarrhoeal	Infection, GI tract
NIK-254	Gentamicin, sulfate (salt) [CAS]	1405-41-0			Formulation, other	Infection, general
Nikethamide		59-26-7				
nilutamide	2,4-Imidazolidinedione, 5,5-dimethyl-3-[4-nitro-3-(trifluoromethyl)phenyl]-[CAS]	63612-50-0	SU	4472382	Anticancer, hormonal	Cancer, prostate
nilvadipine	3,5-Pyridinedicarboxylic acid, 2-cyano-1,4-dihydro-6-methyl-4-(3-nitrophenyl)-, 3-methyl 5-(1-methylethyl) ester [CAS]	75530-68-6	US 4	4338322	Antihypertensive, other	Hypertension, general
nimesulide	Methanesulfonamide, N-(4-nitro-2- phenoxyphenyl)- [CAS]	51803-78-2	SU	3840597	Anti-inflammatory	Pain, general
Nimetazepam		2011-67-8				
nimodipine	3,5-Pyridinedicarboxylic acid, 1,4-dihydro-2,6-dimethyl-4-(3-nitrophenyl)-, 2-methoxyethyl 1-methylethyl ester [CAS]	66085-59-4	EP	533014	Neuroprotective	
Nimorazole		6506-37-2				
nimustine	Urea, N'-[(4-amino-2-methyl-5- pyrimidinyl)methyl]-N-(2-chloroethyl)-N- nitroso-[CAS]	103745-00-2 42471-28-3 55661-38-6	GB 1	1374344	Anticancer, alkylating	Cancer, brain
Ninopterin		2179-16-0				
NIP-142	N-[4(S)-(Cyclopropylamino)-3-(R)-hydroxy- 2,2-dimethyl-7-nitro-3,4-dihydro-2H-1- benzopyran-6-yl]-4- methoxybenzeneacetamide		MO 8	9804542	Antiarrhythmic	Fibrillation, atrial
NIP-531	N-[3,5-Bis(trifluoromethyl)benzyl]-N-[3-[N- [1-(4-fluorobenzyl)benzimidazol-2-yl]- amino]propyl-N-methylurea hydrochloride				Antipruritic/inflamm, allergic	Eczema, atopic
niperotidine	N-[2-[[5- [(dimethylamino)methyl]furfuryl]thio]ethyl]- 2-nitro-N'-piperonyl-1,1-ethenediamine	84845-75-0	GB 2	2104071	Antiulcer	Ulcer, Gl, general

API Generic Name	API Chemical Name	CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
nipradilol	2H-1-Benzopyran-3-ol, 3,4-dihydro-8-[2-hydroxy-3-[(1-methylethyl)amino]propoxy]- 81486-22-8 3-nitrate [CAS]		д	42299	Formulation, mucosal, topical	Glaucoma
Niridazole	1	61-57-4				
nisoldipine	3.5-Pyridinedicarboxylic acid, 1,4-dihydro- 2,6-dimethyl-4-(2-nitrophenyl)-, methyl 2- methylpropyl ester- [CAS]	63675-72-9	GB	1516793	Antihypertensive, other	Hypertension, general
nitazoxanide	Benzamide, 2-(acetyloxy)-N-(5-nitro-2-thiazoty)- [CAS]	55981-09-4	SN	5387598	Protozoacide	Infection, GI tract
nitisinone		7-1	EP	186118	Metabolic and enzyme disorders	Cirrhosis, hepatic
nitracrine	1,3-Propanediamine, N.N-dimethyl-N'-(1- nitro-9-acridinyl)- [CAS]	4533-39-5 6514-85-8	FR	1458183	Anticancer, other	Cancer, ovarian
Nitrazepam		146-22-5				
nitrendipine	3,5-Pyridinedicarboxylic acid, 1,4-dihydro- 2,6-dimethyl-4-(3-nitrophenyl)-, ethyl methyl ester- [CAS]	39562-70-4	GB	1358951	Antihypertensive, other	Hypertension, general
nitroflurbiprofen	(1,1'-Biphenyl)-4-acetic acid, 2-fluoro- Alpha-methyl-, 4-(nitrooxy)butyl ester [CAS]	158836-71-6	EP	670825	Urological	Incontinence
Nitrofurantoin		67-20-9				
Nitrofurazone		59-87-0				
nitroglycerin	1,2,3-Propanetriol, trinitrate [CAS]	55-63-0			Formulation, transdermal, patch	Angina, general
Nitromersol		133-58-4				
nitronaproxen	2-Napthaleneacetic acid, 6-methoxy-Alpha- methyl 4-(nitrooxy)butyl ester (AlphaS)- [CAS]	163133-43-5	WO	9509831	Analgesic, NSAID	Pain, post-operative
nitroxazepine	Dibenz[b,f][1,4]oxazepin-11(10H)-one, 10- [3-(dimethylamino)propyl]-2-nitro-, monohydrochloride [CAS]	16398-39-3	F.	6608671	Antidepressant	
Nitroxoline		4008-48-4				
nizatidine	1,1-Ethenediamine, N-{2-[[[2- [(dimethylamino)methyl]-4- thiazolyl]methyl]thio]ethyl]-N'-methyl-2- nitro- [CAS]	76963-41-2	БР	49618	Antiulcer	Ulcer, duodenal

API Generic Name	API Chemical Name	CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
Nizofenone		54533-85-6				
NM-3	3-(2-methylcarboxymethyl)-5-methoxy-8- hydroxy-isocoumarin		<u>ط</u>	08176138	Anticancer, other	Cancer, general
NM-702	4-Bromo-5-(3-pyridylmethylamino)-6-[3-(4-chlorophenyl)propoxy]-3(2H)pyridazinone hydrochloride				Antithrombotic	Peripheral vascular disease
N-Methylephedrine		552-79-4				
N-Methylepinephrine		554-99-4				
N-Methylglucamine		6284-40-8				
NN 414	6-chloro-3-(1-methylcyclopropylamino)-4H-thieno[3,2-e]-[1,2,4]thiadiazine-1,1-dioxide				A wildings in	Tony
NN-414					Antidiabetic	Ulabetes, Type II
NINIC OF 4050	(R)-1-(3-(10,11-dihydro-5H- dibenzo[a,d]cyclohepten-5-ylidene)-1- propyl)-3-piperidine carboxylic acid				cite d'illigit de cite de la constant de la constan	N.
NNC-03-1803					Symptomatic antiquation	Neuropaury, uraneuro
Nogalamycin		1404-15-5				
nolatrexed	4(1H)-Quinazolinone, 2-amino-6-methyl-5- 152946-68-4 (4-pyridinylthio)-, [CAS]	152946-68-4 147149-76-6	O _M	9320055	Anticancer, antimetabolite	Cancer, liver
nolomirole	Propanoic acid, 2-methyl-, 5,6,7,8- tetrahydro-6-(methylamino)-1,2- naphthalenediyl ester, hydrochloride, (+/-)- [CAS]	138531-51-8	WO	9529147	Cardiostimulant	Heart failure
noipitantium	1-Azoniabicyclo[2.2]octane, 1-[2-[3-(3,4-dichlorophenyl)-1-[[3-(1-methylethoxy)phenyl]acetyl]-3-piperidinyl]ethyl]-4-phenyl-, chloride, (S)-[CAS]	153050-21-6	E	591040	GI inflammatory/bowel disorders	Inflammatory bowel disease
nomegestrol	19-Norpregna-4,6-diene-3,20-dione, 17- (acetyloxy)-6-methyl- [CAS]	58652-20-3	DE	2522533	Menstruation disorders	Menstrual disorder, general
Nomifensine		24526-64-5				
Noprylsulfamide		9-26-92				
Norbolethone		1235-15-0				

API Generic Name API Chemical Name 1088-11-8 Nordazepam 1088-11-1 Nordefrin 6539-57-1 Nordefrin 1088-11-8 Nordihydroguaiaretic 1088-84 Acid 1088-84 Acid 1088-84 Acid 1088-84 Acid 1088-84 Acid 1088-84 Nordihydroguaiaretic 1088-84 Nordihydroguaiaretic 1088-84 Nordihydroguaiaretic 1088-84 Nordihydrogestrone 1088-84 Nordenefrine 1088-84 Nordestrienone 1088-84 Norgestrienone 1088-84 Norgestrienone 1088-87 Norgestrienone 1088-87 Nordenefrine 1088-87 Nordenefrine 1088-87 Nordestrienone 1088-87 Normethadone 1088-87 Normorphine 1088-87 Normo	CAS No. 1088-11-5 6539-57-7 (unspecified); 74812-63-8 (R*,S*)-(±)- form 27686-84-6 (meso-form); 500-38-9 (unspecified) 51-41-2 52-78-8	Patent Reference	Example of Therapeutic Use	Example of Indication
efrin efrin efrin llydroguaiaretic llydroguaiaretic pinephrine thandrolone thindrone thynodrel esterone estimate estimate estrienone estrienone estrienone nethadone nethadone	1088-11-5 6539-57-7 (unspecified); 74812-63-8 (R*,S*)-(±)- form 27686-84-6 (meso-form); 500-38-9 (unspecified) 51-41-2 52-78-8			
efrin ilydroguaiaretic ilydroguaiaretic .!gestromin, .nyl Estradiol pinephrine thandrolone thynodrel esterone esterone estimate estimate estimate estrienone estrienone nethadone nethadone	6539-57-7 (unspecified); 74812-63-8 (R*,S*)-(±)- form 27686-84-6 (meso-form); 500-38-9 (unspecified) 51-41-2 52-78-8			
ihydroguaiaretic lygestromin, nyl Estradiol pinephrine thandrolone thindrone thynodrel esterone estimate estimate estirenone	(unspecified); 74812-63-8 (R*,S*)-(±)- form 27686-84-6 (meso-form); 500-38-9 (unspecified) 51-41-2 52-78-8			
Ilydroguaiaretic Ilgestromin, Inyl Estradiol pinephrine thandrolone thindrone thynodrel anefrine esterone estimate estimate estimate estrienone nethadone nethadone nethandrone	74812-63-8 (R*,S*)-(±)- form 27686-84-6 (meso-form); 500-38-9 (unspecified) 51-41-2 52-78-8			
inydroguaiaretic lgestromin, nyl Estradiol pinephrine thandrolone thindrone thynodrel esterone esterone estimate estrienone estrienone estrienone estrienone nethadone nethadone	(R*, S*)-(±)- form 27686-84-6 (meso-form); 500-38-9 (unspecified) 51-41-2 52-78-8			
ihydroguaiaretic lgestromin, nyl Estradiol pinephrine thandrolone thynodrel snefrine esterone esterone estirenone estrienone estrienone nethadone nethadone nethandrone	form 27686-84-6 (<i>meso</i> -form); 500-38-9 (unspecified) 51-41-2 52-78-8			
ilydroguaiaretic lgestromin, nyl Estradiol pinephrine thandrolone thynodrel acin esterone estimate estimate estimate estrienone nethadone nethadone nethandrone	27686-84-6 (meso-form); 500-38-9 (unspecified) 51-41-2 52-78-8			
lgestromin, nyl Estradiol pinephrine thandrolone thindrone thynodrel esterone estimate estimate estrienone estrienone estrienone estrienone nethadone nethandrone	(meso-form); 500-38-9 (unspecified) 51-41-2 52-78-8			
min, radiol e ne ol	500-38-9 (unspecified) 51-41-2 52-78-8			
min, radiol e ne ol	(unspecified) 51-41-2 52-78-8			
min, radiol e ne ne ol	51-41-2 52-78-8			
e e e e e e e e e e e e e e e e e e e	51-41-2 52-78-8			
9 G	51-41-2 52-78-8			
e e e e e e e e e e e e e e e e e e e	52-78-8			
9 G				
9 G	68-22-4			
e b nol	68-23-5			
<u> </u>	536-21-0			
<u>.</u>	, 1-ethyl-6-fluoro 68077-27-0			
Norgesterone Norgestimate Norgestrienone Norlevorphanol Normethadone Normethadone Normethandrone		US 4146719	Quinolone antibacterial	Infection, general
Norgestimate Norgestrel Norgestrienone Norlevorphanol Normethadone Normethandrone	13563-60-5			
Norgestrel Norgestrienone Norlevorphanol Normethadone Normethandrone	35189-28-7			
Norgestrienone Norlevorphanol Normethadone Normethandrone Normorphine	6533-00-2			
Normethadone Normethandrone Normorphine	848-21-5			
Normethadone Normethandrone Normorphine	1531-12-0			
Normethandrone Normorphine	467-85-6			
Normorphine	514-61-4			
	466-97-7			
INOrphenazone	89-25-8			
Norpipanone	561-48-8			
Norpseudoephedrine	492-39-7			
Nortriptyline	72-69-5			
Norvinisterone	6795-60-4			

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API Generic Name	API Chemical Name	CAS No.	Refer	Reference	Example of Therapeutic Use	Example of Indication
Noscapine		128-62-1				
Novembichin		1936-40-9				
Novobiocin		303-81-1				
Noxiptilin		3362-45-6				
Noxythiolin		15599-39-0				
NS-1209	Butanoic acid, 2-[[[5-[4- [(dimethylamino)sulfonyl]phenyl]- 1,2,6,7,8,9-hexahydro-8-methyl-2-oxo-3H- pyrrolo[3,2-h]isoquinolin-3- viidenelaminoloxyl-3-hydroxy- [CAS]	254751-28-5	OM	9426747	Antieoileptic	Epilepsy, general
	5-(4-chlorophenyl)-6,7,8,9-tetrahydro-1H- pyrolo-(3,2-h]naphthalene-2,3-dione-3-					
NS-1231	oxime				Neuroprotective	Ischaemia, cerebral
NS-126			Sn	5063222	Antiallergic, non-asthma	Rhinitis, allergic, general
	2-Methyl-c-5-[4-[5-methyl-2-(4-methylphenyl)-4-oxazolyl]butyl]-1,3-dioxane-r-2-carboxylic acid					
NS-220					Hypolipaemic/Antiatherosclerosis	Atherosclerosis
NS-2330	NS 2330 [CAS]	402856-42-2			Cognition enhancer	Alzheimer's disease
NS5A inhibitors			SN	6030785	Antiviral, other	Infection, hepatitis-C virus
NS-7	Pyrimidine, 4-(4-fluorophenyl)-2-methyl-6- [[5-(1-piperidinyl)pentyl]oxy]-, monohydrochloride [CAS]	178429-67-9	OM V	9607641	Neuroprotective	Ischaemia, cerebral
NS-8	2-Amino-5-(2-fluorophenyl) 4-methyl-1H- pyrrole-3-carbonitrile				Urological	Incontinence
NSC-330507	17-Alylaminogeldanamycin				Anticancer, antibiotic	Cancer, general
NSC-619534	2-chloroethyl phenyl selenone				Anticancer, alkylating	Cancer, general
NSC-697726	2,5-diazinidinyl-3-[hydroxymethyl]6-methyl 1,4-benzoquinone	/			Anticancer, antibiotic	Cancer, general
N-SulfanilyI-3,4- xylamide		120-34-3				

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
NU-6027	(2,4-Pyrimidinediamine, 6- (cyclohexylmethoxy)-5-nitroso- [CAS]	220036-08-8			Anticancer, other	Cancer, general
VV-07	2,4,6(1H,3H,5H)-Pyrimidinetrione, 5-ethyl- 5-sec-pentyl-, 2-oxime [CAS]	53745-16-7	SN	6455032	Antipruritic/inflamm, non-allergic	Keratosis
	([3R,4aR,10aR]-1,2,3,4,4a,5,10,10a- Octahydro-6-methoxy-1-methyl- benz[g]quinoline-3-carboxylic acid-4-(4- nitrophenyl)piperazine amide, hydrogen					
NVP-SRA880	וומופמופ				Neurological	Unspecified
	(S)-(+)-2-[4-(2- fluorobenzyloxy)benzylamino]propanamid e methansulfonate					
NW-1029					Analgesic, other	Pain, general
NXY-059	CPI 22 [CAS]	168021-79-2	SO	5780510	Neuroprotective	Ischaemia, cerebral
Nylidrin		447-41-6				
NZ-314	1-Imidazolidineacetic acid, 3-[(3- nitrophenyl)methyl]-2,4,5-trioxo- [CAS]	128043-99-2	EP	353198	Symptomatic antidiabetic	Neuropathy, diabetic
NZ-419	5-hydroxy-1-methylimidazolidine-2,4-dione		ďΞ	412940	Urological	Renal failure
Obidoxime Chloride		114-90-9				
OC-108	OC 108 [CAS]	162602-62-2			Vasoprotective, topical	Venous insufficiency
ocinaplon	Methanone, 2-pyridinyl[7-(4- pyridinyl)pyrazolo[1,5-a]pyrimidin-3-yl]- [CAS]	96604-21-6	EP	129847	Anxiolytic	Generalized anxiety disorder
Octabenzone		1843-05-6				
Octacaine		13912-77-1				
Octamoxin		4684-87-1				
Octav rine		549-68-8				
octenidine	1-Octanamine, N,N-(1,10-decanediyldi- 1(4H)-pyridinyl-4-ylidene)bis- [CAS]	70775-75-6 71251-02-0 86767-75-1	WO	8705501	Stomatological	Periodontitis
Octodrine		543-82-8				
Octopamine		104-14-3				
Octotiamine		137-86-0				

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API Generic Name	API Chemical Name	CAS No.	Ref	Reference	Example of Therapeutic Use	Example of Indication
	L-Cysteinamide, D-phenylalanyl-L- cysteinyl-L-phenylalanyl-D-tryptophyl-L- lysyl-L-threonyl-N-[2-hydroxy-1- (hydroxymethyl)propyll-, cyclic (2-7)-				1	-
octreotide	disulfide, [R-(R*,R*)]- [CAS]	83150-76-9			Formulation, fixed-dose combinations	Cancer, general
Octyl Methoxycinnamate		5466-77-3				
	7H-Pyrido[1,2,3-de]-1,4-benzoxazine-6-					
	carboxylic acid, 9-fluoro-2,3-dihydro-3-					
ofloxacin	(+/-)- [CAS]	82419-36-1	ЕР	47005	Quinolone antibacterial	
o-lodohippurate		133-17-5				
olanzapine	10H-Thieno(2,3-b)(1,5)benzodiazepine, 2-methyl-4-(4-methyl-1-piperazinyl)- [CAS]	132539-06-1	<u>П</u>	454436	Neuroleptic	Schizophrenia
Oleandrin		465-16-7				
Oleic Acid		112-80-1				
BIOL SISIO		1.5-00-1				
	1H-Imidazole-5-carboxylic acid, 4-(1- hydroxy-1-methylethyl)-2-propyl-1-((2'-(1H- tetrazol-5-y)(1,1'-biphenyl)-4-yl)methyl)-, (5-methyl-2-xxo-1 3-dioxol-4-yl) methyl					
olmesartan medoxomil	ester [CAS]	144689-63-4	ЕP	503785	Antihypertensive, renin system	Hypertension, general
olopatadine	11-[(Z)-3-(Dimethylamino)propylidene]- 6,11-dihydrodibenz[b,e]oxepin-2-acetic acid, monohydrochloride	113806-05-6 140462-76-6	<u></u>	235796	Ophthalmological	Conjunctivitis
	Monosodium 3-dimethylamino-1-		_			
olpadronic acid	(ilyaloxypropyllaelle)-1, i-bispriosprioriate	63132-39-8	8 N	9619998	Osteoporosis treatment	Osteoporosis
olsalazine	1572248-2 Benzoic acid, 3,3'-azobis[6-hydroxy- [CAS] 53200-514	15722-48-2 53200-51-4	Sn	4559330	GI inflammatory/bowel disorders	Colitis, ulcerative
oltipraz	3H-1,2-Dithiole-3-thione, 4-methyl-5- pyrazinyl- [CAS]	64224-21-1	DE	2705641	Anticancer, other	Cancer, general

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API Gen ric Name	API Chemical Name	CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
	2-[3(R)-(Dodecanoyloxy)tetradecanamidoj. N-[4-[3(R)-hydroxytetradecanamido]-5- (phosphonooxy)pentyl]-4- (phosphonooxy)butyramide		and the second			
OM-294DP					Anticancer, immunological	Unspecified
Отасог	ethyl (5Z,8Z,11Z,14Z,17Z)-eicosa- 5,8,11,14,17-pentaenoate + ethyl (4Z,7Z,10Z,13Z,16Z,19Z)-docosa- 4,7,10,13,16,19-hexaenoate	81926-94-5 86227-47-6			Hypolipaemic/Antiatherosclerosis	Hypertriglyceridaemia
omapatrilat	7H-Pyrido(2,1-b)(1,3)thiazepine-7-carboxylic acid, octahydro-4-((2-mercapto-1-oxo-3-phenylpropy))amino)-5-oxo, (4S-(AAlpha(R*),7Alpha,10aß))- [CAS]	167305-00-2	SN	5508272	Antihypertensive, renin system	Hypertension, general
omeprazole	1H-Benzimidazole, 5-methoxy-2-[[(4-methoxy-3,5-dimethyl-2-pyridinyl)methyl]sulfinyl]- [CAS]	73590-58-6	Sn.	4255431	Antiulcer	Ulcer, GI, general
omiloxetine		176894-09-0			Antidepressant	Depression, general
omoconazole	1H-Imidazole, 1-[2-[2-(4- chlorophenoxy)ethoxy]-2-[2,4- dichlorophenyl)-1-methylethenyl]-, (Z)- [CAS]	74512-12-2	EP	8804	Antifungal	Infection, dermatological
Onapristone		96346-61-1				
ondansetron	4H-Carbazol-4-one, 1,2,3,9-tetrahydro-9- methyl-3-[(2-methyl-1H-imidazol-1- yl)methyl]- [CAS]	99614-01-4 99614-02-5	Sn	4847281	Antiemetic	Chemotherapy-induced nausea and vomiting
ONO-3403	Benzoic acid, 4-[(1E)-3-[(2-ethoxy-2-oxoethyl)-2-propenylamino]-2-methyl-3-oxo-1-propenyl]-, 4-(aminoiminomethyl)phenyl ester, monomethanesulfonate [CAS]	181586-07-2			GI inflammatory/bowel disorders	Unspecified

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ONO-4128	1,4,9-Triazaspiro(5.5)undecane-2,5-dione, 1-butyl-3-(cyclohexylmethyl)-9-((2,3- dihydro-1,4-benzodioxin-6-yl)methyl- [CAS]	342394-93-8				Infection, HIV/AIDS
ONO-8815 Ly	L-lysine (Z)-7-[(1R,2R,3R,5R)-5-chloro-3- hydroxy-2-[(E)-(S)-4-(1-ethylcyclobutyl)-4- hydroxy-1-butenyl]cyclopentyl]-5- heptenoate				Labour inhibitor	Labour, preterm
ONT-093			Sn	5756527	Radio/chemosensitizer	Cancer, general
OPC-14523	2(1H)-Quinolinone, 1-[3-[4-(3- chlorophenyl)-1-piperazinyl]propyl]-3,4- dihydro-5-methoxy- [CAS]	145969-30-8	G G	512525	Antidepressant	Depression, general
OPC-31260	Benzamide, N-[4-[[5-(dimethylamino)- 2,3,4,5-tetrahydro-1H-1-benzazepin-1- yl]carbonyl]phenyl]-2-methyl-	137975-06-5	WO	9105549	Urological	Unspecified
OPC-51803	(5R)-2-[1-(2-chloro-4-(1- pyrolidinyl)benzoyl)-2,3,4,5-tetrahydro-1H- 1-benzazepin-5-yl]-N-isopropylacetamide				Antidiabetic	Diabeles, insipidus
OPC-6535	2-Pyridinecarboxylic acid, 6-[2-(3,4-diethoxyphenyl)-4-thiazolyl]- [CAS]	145739-56-6	O _M	9209586	Gl inflammatory/bowel disorders	Inflammatory bowel disease
Opiniazide		2779-55-7				
opioid analgesics	2-(4-trifluoromethylphenyl)-N-methyl-[1- phenyl-2-(1-pyrolidinyl)ethylacetamide				Analgesic, other	Pain, general
Opipramol		315-72-0				
Orazamide		2574-78-9				
orazipone	2,4-Pentanedione, 3-((4- methylsulfonyl)phenyl)methylene)- [CAS]	137109-78-5	EP	440324	Antiasthma	Unspecified
Org-12962	Piperazine, 1-[6-chloro-5-(trifluoromethyl)- 2-pyridinyl]-, monohydrochloride [CAS]	210821-63-9			Antidepressant	Depression, general
Org-24448			Sn	6166008	Neuroleptic	Schizophrenia

API Generic Name		CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
oritavancin	Vancomycin, 22-O-(3-amino-2,3,6-trideoxy-3-C-methyl-Alpha-L-arabino-hexopyranosyl)-N3"-[(4"chloro[1,1'-biphenyl]-4-y])methyl]- (4"R)- [CAS]	171099-57-3	Sn	5840684	Peptide antibiotic	Infection, dermatological
orlistat	L-Leucine, N-formyl-, 1-{(3-hexyl-4-oxo-2-oxetanyl)methyl]dodecyl ester, [2S-[2Alpha(R*),38]]- [CAS]	96829-58-2	д	129748	Anorectic/Antiobesity	Obesity
ormeloxifene	Pyrrolidine, 1-[2-(p-(7-methoxy-2,2-dimethyl-3-phenyl-4-chromanyl)phenoxy)ethyl]-, trans- [CAS]	31477-60-8	DE	2329201	Female contraceptive	Contraceptive, female
Ornidazole		16773-42-5				
Ornipressin		3397-23-7				
Ornithine		70-26-8				
ornoprostil	Prost-13-en-1-oic acid, 11,15-dihydroxy- 17,20-dimethyl-6,9-dioxo-, methyl ester, (11Apha,13E,15S,17S)- [CAS]	70667-26-4	SN	4278688	Prostaglandin	Ulcer, gastric
Orotic Acid		65-86-1				
Orphenadrine		83-98-7				
Orthocaine		536-25-4				
Osalmid		526-18-1				
osanetant	-4.	160492-56-8	EP	673928	Neuroleptic	Schizophrenia
osaterone	2-Oxapregna-4,6-diene-3,20-dione, 17- (acetyloxy)-6-chloro- [CAS]	105149-00-6	B.	193871	Prostate disorders	Benign prostatic hyperplasia
oseltamivir	(xx)	196618-13-0	WO	9626933	Antiviral, other	Infection, influenza virus
OSI-7836	4'-Thio-ß-D-arabinofuranosylcytosine				Anticancer, antimetabolite	Cancer, general

API Generic Name		CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
	Pentanedioic acid, 2-[5-[[(1,2-dihydro-3-methyl-1-oxobenzo[f]quinazolin-9-y)methyl]amino]-1,3-dihydro-1-oxo-2H-					
OSI-7904	isoindol-2-yl]-, (S)- [CAS]	139987-54-5	8	9119700	Formulation, optimized, liposomes	Cancer, general
ospemifene	Ethanol, 2-[4-[(1Z)-4-chloro-1,2-diphenyl-1- butenyl]phenoxy]- [CAS]	128607-22-7	MO	9607402	Menopausal disorders	Osteoparosis
	N,N-diethyl-N-methyl-2-[[4- anzoyl]amino]benzoyl]oxy]-,					
otilonium bromide	bromide [CAS]	26095-59-0	GB	1181406	Antispasmodic	Irritable bowel syndrome
Ouabain		630-60-4				
Oxaceprol		33996-33-7				
Oxacillin		66-79-5				
Oxaflozane		26629-87-8				
	-cyclohexanediamine- ioato(2-)-O,O'J-, [SP-4-2-(1R-					
oxaliplatin		61825-94-3	EP	393575	Anticancer, alkylating	Cancer, colorectal
Oxalyt-C	1,2,3-Propanetricarboxylic acid, 2-hydroxy- , potassium sodium salt [CAS]	28060-67-5	DE	2249274	Urological	
Oxamarin		15301-80-1				
Oxametacine		27035-30-9				
Oxamniquine		21738-42-1				
oxandrolone	2-Oxaandrostan-3-one, 17-hydroxy-17- methyl-, (5Alpha,17ß)- [CAS]	53-39-4	SN	3128283	Reproductive/gonadal, general	Sex-chromosome abnormality, Turner's syndrome
Oxantel		36531-26-7				
Oxapropanium		541-66-2				
oxaprozin	ohenyl-	21256-18-8	GB	1206403	Antiarthritic, other	Arthritis, osteo
oxatomide	2H-Benzimidazol-2-one, 1-[3-[4- (diphenylmethyl)-1-piperazinyl]propyl]-1,3- dihydro- [CAS]	60607-34-3	89	1579365	Antiallergic, non-asthma	Rhinitis, allergic, general
oxazepam	7-Chloro-1,3-dihydro-3-hydroxy-5-phenyl- 2H-1,4-benzodiazepin-2-one	604-75-1			Formulation, oral, orally-disintegrating	Anxiety, general

API Generic Name Oxazolo[3,2-d][1,4]benzod oxazolam oxazolam oxazolam oxazolam oxazolam oxazolam oxazolam oxarbazepine 5-c oxarbazepine 0xeladin oxendolone				:	_	
ppine n Ione		CAS No.	Keter	Reference	Example of Therapeutic Use	Example of Indication
ppine n Ione	iazepin-6(5H)- etrahydro-2-	27167-30-2	٧	3770374	Anvishdie	
	Ī		- 1	10711	on forcing	
Oxeladin Oxendolone	5H-Dibenz[b.t]azepine-5-carboxamide, 10,11-dihydro-10-oxo-[CAS]	28/21-0/-5 29331-92-8	DE ,	2011087	Antiepileptic	Epilepsy, general
Oxendolone	7	468-61-1				
		33765-68-3				
Oxethazaine		126-27-2				
Oxetoron		26020-55-3				
	Ethanone, 1-(2,4-dichlorophenyl)-2-(1H-					
oxiconazole dichloropher	dichloropheny!)methy!]oxime, (Z)- [CAS]	64211-45-6	GB GB	1514870	Antifungal	Infection, fungal, general
Oxidronic Acid		15468-10-7				
Oxiniacic Acid		2398-81-4				
Oxiracetam)	62613-82-5				
3-0xa-9-azo	3-Oxa-9-azoniatricyclo[3.3.1.02,4]nonane, 9-ethyl-7-(3-hydroxy-1-oxo-2-					
phenylpropo oxitropium (1Alpha,28,4	phenylpropoxy)-9-methyl-, bromide, [7(S)- (1Alpha,28,48,5Alpha,78)]- [CAS]	30286-75-0	GB	1178305	Antiasthma	
Oxolamin		959-14-8				
Oxolinic Acid		14698-29-4				
Oxophenarsine		538-03-4				
Oxprenolol		6452-71-7				
Oxybenzone		131-57-7				
	acid, Alpha-cyclohexyl- 4-(diethylamino)-2-butynyl					
oxybutynin ester- [CAS]		5633-20-5			Formulation, modified-release, other	Incontinence
Oxycinchophen	7	485-89-2				
Morphinan-6-one methoxy-17-meth	Morphinan-6-one, 4,5-epoxy-14-hydroxy-3-methoxy-17-methyl-, (5Alpha)-					
oxycodone	(76-42-6			Formulation, transmucosal, nasal	Pain, general

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API Generic Name	API Chemical Name		Refer	Reference	Example of Therapeutic Use	Example of Indication
Oxyfedrine		15687-41-9				
Oxygent	Octane, 1-bromo- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- heptadecafluoro- [CAS]	423-55-2			Haematological	Surgery adjunct
Oxymesterone		145-12-0				
Oxymetazoline		1491-59-4				
oxymetholone	Androstan-3-one, 17-hydroxy-2- (hydroxymethylene)-17-methyl-, (5Alpha,178)- [CAS]	434-07-1			Hormone	Anaemia, general
Oxymethurea		140-95-4				
oxymorphone	(5Alpha)-4,5-Epoxy-3,14-dihydroxy-17- methylmorphinan-6-one [CAS]	76-41-5			Formulation, modified-release, immediate	Pain, general
Oxypendyl		5585-93-3				
Oxypertine		153-87-7				
Oxyphenbutazone		129-20-4				
Oxyphencyclimine		125-53-1	-			
Oxyphenisatin		115-33-3				
Oxyphenonium		50-10-2				
Oxypinocamphone		10136-65-9				
oxypurinol	1H-Pyrazolo[3,4-d]pyrimidine-4,6(5H,7H)- dione [CAS]	2465-59-0			Antigout	Hyperuricaemia
Oxytetracycline		79-57-2				
ozagrel	2-Propenoic acid, 3-[4-(1H-imidazol-1-ylmethyl)phenyl]-, (E)- [CAS]		88	2025946	Antithrombotic	Vasospasm, cerebral
p- (Benzylsulfonamido)ben		536-95-8				
zoic Acid				77777	A	OCI WITH THE THE THE THE THE THE THE THE THE T
P-100			3	63131//	Antiviral, anti-HIV	Infection, HIV/AtUS
P-1202	Pentanoic acid, 5-amino-4-oxo, methyl ester, hydrochloride [CAS]	79416-27-6	Sn	6034267	Dermatological	Keratosis
P32/98	Di-(3N-{(2S,3S)-2-amino-3-methyl- pentanoy]-1,3-thiazolidine)fumarate				Antidishetic	Dishetec Tyne II
PA-824			0 <u>%</u>	WO 9701562	Antimycobacterial	Infection, tuberculosis
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API Generic Name	API Chemical Name	CAS No.	Ref	Reference	Example of Therapeutic Use	Example of Indication
PACAP 38	Prtuitary adenylate cyclase-activating peptide-38 [CAS]	128606-20-2	SN	5128242	Neuroprotective	Nerve injury, general
i ve sije od	58,20-Epoxy-1,2Alpha,4,78,108,13Alpha-hexahydroxytax-11-en-9-one-4,10-diacetate-2-benzoate-13-(Alpha-phenylhippurate)	r 63 63066				
PADRE		99009-07-4	SN	6413935	Immunostimulant, other	Vaccine adjunct
pagoclone	1H-Isoindol-1-one, 2-(7-chloro-1,8- naphthyridin-2-yl)-2,3-dihydro-3-(5-methyl- 2-oxohexyl)- (R)- [CAS]	133737-32-3	SU	4960779	Anxiolytic	Panic disorder
PAI inhibs			8	9404512	Antithrombotic	Thrombosis, venous
palindore	8H-1,4-dioxino[2,3-e]indol-8-one,2,3,7,9- tetrahydro-2-[(phenylmethyl)amino]methyl]- , 2(S)-, (2E)-2-butendioate (1:1)	189681-71-8			Neuroleptic	Schizophrenia
Palivizumab		188039-54-5				
palonosefron	3aS-2-[(S)-1-Azabicyclo[2.2.2]oct-3-yl]- 2,3,3a,4,5,6-hexahydro-1-oxo-1H- benz[de]isoquinoline hydrochloride	135729-62-3	2	5202333	Antiemetic	Chemotherapy-induced
Pamabrom		606-04-2				
Pamaquine		491-92-9				The state of the s
pamicogrel	1H-Pyrrole-1-acetic acid, 2-{4,5-bis(4-methoxyphenyl)-2-thiazolyl]-, ethyl ester [CAS]	101001-34-7	ф	159677	Antithrombotic	Thrombosis, cerebral
pamidronate	(3-Amino-1- hydroxypropylidene)diphosphonic acid- [CAS]	40391-99-9			Formulation, implant	Hypercalcaemia of malignancy
p-Aminobenzoic Acid		150-13-0				
p-Aminohippuric Acid		61-78-9				
p-Aminopropiophenone		<u>6-69-04</u>				
p-Aminosalicylic Acid		65-49-6				

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
Panavir	4,4'-isopropylidenedithiobis-2,6-di-t- butylphenol				Neuroprotective	Vasospasm, cerebral
Pancuronium		15500-66-0				
Panipenem		87726-17-8				
Pantethine	_	16816-67-4				
	1H-Benzimidazole, 5-(difluoromethoxy)-2-					
pantoprazole	_	102625-70-7	급	166287	Antiulcer	Ulcer, duodenal
Pantothenic Acid		79-83-4				
Papain						
Papaverine		58-74-2				
paracetamol	Acetamide, N-(4-hydroxyphenyl)- [CAS]	103-90-2			Formulation, oral, other, modified- release	Pain, general
Paraflutizide		1580-83-2				
Paraldehyde		123-63-7				
Paramethadione		115-67-3				
Paramethasone		53-33-8				
Paranyline		1729-61-9				
Parathyroid Hormone	$\overline{}$	9002-64-6				
	Propanamide, N-((4-(5-methyl-3-phenyl-4-isoxazolyl)phenyl)sulfonyl)-, sodium salt					
parecoxib	[CAS]	198470-85-8	o M	WO 9738986	Analgesic, NSAID	Pain, post-operative
Parethoxycaine		94-23-5				
Pargyline		555-57-7				
paricalcitol	19-Nor-9,10-secoergosta-5,7,22-triene- 1,3,25-triol, (1Alpha,3ß,7E,22E)- [CAS]	131918-61-1	EP (387077	Hormone	Hyperparathyroidism
	O-2-Amino-2-deoxy-Alpha-D-					
	glucopyranosyl-(1-4)-O-[O-2,6-diamino-2,6 dideoxy-ß-L-idopyranosyl-(1-3)-ß-D-					
paromomycin	ribofuranosyl-(1-5)]-2-deoxy-D-streptamine	7542-37-2			Protozoacide	Infection, leishmaniasis
paroxetine	Piperidine, 3-[(1,3-benzodioxol-5- yloxy)methyl]-4-(4-fluorophenyl)-, (3S- trans)- [CAS]	61869-08-7	<u>.,</u>	223403	Antidepressant, formulation, oral, orally-disintegrating	Depression, general

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Paroxynronione				201	Lyambic of the about 0.20	
Parsalmide		30653-83-9				
PaTrin-2	4-Bromothenylguanine				Radio/chemosensitizer	Cancer, melanoma
Pazinaclone		103255-66-9				
pazufloxacin	7H-Pyrido[1,2,3-de]-1,4-benzoxazine-6-carboxylic acid, 10-(1-aminocyclopropyl)-9-fluoro-2,3-dihydro-3-methyl-7-oxo-, (S)-ICAS]	127045-41-4 127046-45-1 136905-87-8	30	3913245	Quinolone antibacterial	Infection, general
p-Bromoacetanilide		103-88-8				
PC-NSAIDs			SN	4918063	Formulation, other	Arthritis, general
	6-(2,6-Dichlorophenyl)-2-[4-(diethylamino-ethoxy)-phenylamino]-8-pyrido[2,3-Dloyrimidine-7-one					
PD-0166285					Anticancer, other	Cancer, general
Pecilocin		19504-77-9				
pefloxacin	3-Quinolinecarboxylic acid, 1-ethyl-6-fluoro 1,4-dihydro-7-(4-methyl-1-piperazinyl)-4- oxo- [CAS]	70458-92-3	GB	1598915	Quinolone antibacterial	Infection, urinary tract
penvisomant	Somatotropin (18-aspartic acid, 21- asparagine, 120-lysine, 167-asparagine, 168-alanine, 171-serine, 172-arginine, 174- serine, 179-threonine (human), pegylated	218620-50-9			Somatostatin	Acromedaly
Pelletierine		4396-1-4				
pemetrexed	L-Glutamic acid, N-[4-[2-(2-amino-4,7-dihydro-4-oxo-1H-pyrrolo[2,3-d]pyrimidin-5-137281-23-3 yl)ethyljbenzoyl]-, disodium salt [CAS]	137281-23-3 150399-23-8	Sn	5248775	Anticancer, antimetabolite	Cancer, mesothelioma
pemirolast	4H-Pyrido[1,2-a]pyrimidin-4-one, 9-methyl-1700299-08-9 3-(1H-tetrazol-5-yl)- [CAS]	100299-08-9 69372-19-6	SN	4457932	Antiasthma	Asthma
Pemoline		2152-34-3				
Pempidine		79-55-0				
PEN-203			SN	5955446	Antiviral, other	Infection, numan papilioma virus
Penamecillin		983-85-7				

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API Generic Name	API Chemical Name	CAS NO.	Kere	Kererence	Example of Therapeutic Use	Example of Indication
penbutolol	2-Propanol, 1-(2-cyclopenty/prenoxy)-3- [(1,1-dimethylethyl)amino]-,(S)-, sulfate (2:1) (salt) [CAS]	38363-32-5 38363-40-5	GB	1215751	Antihypertensive, adrenergic	
penciclovir	6H-Purin-6-one, 2-amino-1,9-dihydro-9-[4-hydroxy-3-(hydroxymethyl)butyl]- [CAS]	39809-25-1	鱼	60058982	Antiviral, other	Infection, herpes simplex virus
Penethamate		808-71-9				
penfluridol	4-Piperidinol, 1-[4,4-bis(4-fluorophenyl)butyl]-4-[4-chloro-3-(trifluoromethyl)phenyl]- [CAS]	26864-56-2	끰	2040231	Neuroleptic	
Penicillamine		52-67-5				
Penicillin G		61-33-6				
Penicillin G Benzathine		1538-09-6				
Penicillin G Procaine		6130-64-9				
Penicillin N		525-94-0				
Penicillin O		87-09-2				
Penicillin V		87-08-1				
Penimepicycline		4599-60-4				
Penntuss			SN	4221778	Formulation, modified-release, other	Rhinitis, allergic, general
Pentaerythritol Chloral		78-12-6				
Pentaerythritol		2209-86-1				
Dichlorohydrin Pentaerythritol		597-71-7				
Pentagastrin		5534-95-2				
Pentagestrone		7001-56-1				
PentaLyte	Starch, 2-hydroxyethyl ether [CAS]	9005-27-0	SN	5407428	Plasma substitute	Surgery adjunct
Pentam thonium		541-20-8				
pentamidine	Benzenecarboximidamide, 4,4-[1,5- pentanediylbis(oxy)]bis- [CAS]	100-33-4			Formulation, inhalable, systemic	Infection, Pneumocystis jiroveci prophylaxis
Pentazocine		359-83-1				
Pentetate		12111-24-9				
Pentetic Acid		67-43-6				
Pentetreotide		138661-02-6				

API Generic Name	API Chemical Name	CAS No.	Patent Reference	ance	Example of Therapeutic Use	Example of Indication
Penthienate		60-44-6				
Pentifyllin		1028-33-7				
Pentigetide		62087-72-3				
Pentisomide		78833-03-1				
Pentobarbital		76-74-4				
Pentolinium		52-62-0				
Pentorex		434-43-5				
pentosan	ł	37319-17-8	US 51	5180715	Urological	Inflammation, urinary tract
	Imidazo[4,5-d][1,3]diazepin-8-ol, 3-(2-deoxy-8-D-erythro-pentofuranosyl)-3,6,7,8-					
pentostatin	tetrahydro-, (R)- [CAS]	53910-25-1	0S 39	3923785	Anticancer, antimetabolite	Cancer, leukaemia, hairy cell
pentoxifylline	1H-Purine-2,6-dione, 3,7-dihydro-3,7- dimethyl-1-(5-oxohexyl)- [CAS]				Neuroprotective	Amyotrophic lateral sclerosis
Pentoxyl		147-61-5				
Pentrinitrol		1607-17-6				
Pentylenetetrazole		54-95-5				
peplomycin	Bleomycinamide, N1-[3-[(1- phenylethyl)amino]propyl]-, (S)- [CAS]	68247-85-8	US 41	4195018	Anticancer, antibiotic	
Perazine		84-97-9				
Perflubron		423-55-2				
Perfosfamide		62435-42-1;				
		(unspecified)				
pergolide	Ergoline, 8-[(methylthio)methyl]-6-propyl-, (8ß)-, monomethanesulfonate- [CAS]	66104-22-1 66104-23-2	US 47	4797405	Antiparkinsonian	Parkinson's disease
Perhexiline		6621-47-2				
Pericyazine		2622-26-6				
perifosine	Piperidinium, 4- [[hydroxy(octadecyloxy)phosphinyl]oxy]- 1,1-dimethyl-, inner salt [CAS]	157716-52-4	EP 59	594999	Anticancer, other	Cancer, prostate
perilly! alcohol	1-Cyclohexene-1-methanol, 4-(1- methylethenyl)- [CAS]	536-59-4	US 51	5110832	Anticancer, other	Cancer, breast
Perimethazine		13093-88-4				
		* >> >>>>				

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API Generic Name	API Chemical Name	CAS No.	Kete	Reterence	Example of Therapeutic Use	Example of Indication
	1H-Indole-2-carboxylic acid, 1-[2-[[1- (ethoxycarbonyl)butyl],amino]-1- oxopropyl]octahydro, [2S- 11IR*(R*) 2Ahha 3aR 7aRII. comnd with 82834.16.0	107133-36-8 82834-16-0				
perindopril	2-methyl-2-propanamine (1:1) [CAS]		EP	49658	Antihypertensive, renin system	Hypertension, general
Periodyl		53586-99-5				
perisoxal	1-Piperidineethanol, Alpha-(5-phenyl-3- isoxazolyl)-, 2-hydroxy-1,2,3- propanetricarboxylate (2:1) (salt) [CAS]	2139-25-5 2055-44-9	٩	04217925	Anti-inflammatory	
Perlapine		1977-11-3				
Permethrin		52645-53-1				
	1H-Isoindole-1,3(2H)-dione, 2-[4-[4-(1,2-	1,00,72,38,7				
perospirone	piperazinyl]butyl]hexahydro-, cis- [CAS]		S	2167004	Neuroleptic	Schizophrenia
Perphenazine		58-39-9				
Petroleum Benzin		8030-30-6				
PH-10			SN	6331286	Antipsoriasis	Psoriasis
Phanquinone		84-12-8				
Pharmaprojects No. 4994				9638482	Immunological	Unspecified
Pharmaprojects No. 5325			9	9703986	Neuroleptic	Schizophrenia
Pharmaprojects No. 5972			8	0204426	Antiasthma	Asthma
Pharmaprojects No. 6362			SO	6057346	Antiviral, anti-HIV	Infection, HIV/AIDS
	(R)-N-[4-[2-[12-Hydroxy-2-(3- pyridinyl)ethyl]amino]ethyl]phenyl]-4-[4-[4- (trifluoromethyl)phenyl]thiazol-2- yl]benzenesulfonamide					
Pharmaprojects No. 6446					Anorectic/Antiobesity	Obesity
Pharmaprojects No. 6590			9	0206223	Psychostimulant	Attention deficit disorder
Pharmaprojects No. 6656			SN	6455026	Genomics-based drug discovery	Cancer, brain
Pharmaprojects No. 6691			SN	6299900	Formulation, other	Pain, general
Pharmaprojects No. 6743	3-(6-Aminopyridin-3-yl)-N-methyl-N-[(1- methyl-1H-indol-2-yl)methy]acrylamide				Antibacterial, other	Infection, general

API Chemical Name GAS No. Reference Example of Therapeutic Use methyddbenzolc flpyrazinol 1.2-alazepin (22.44.2 (62.44.2				Patent		
11.2.3.4.10.14b-Hexahydro-6-methoxy-2-methylthenracio_f_pyrazino[1.2-ajazepin	API Generic Name	API Chemical Name	CAS No.	Reference	Example of Therapeutic Use	Example of Indication
Page Page		1,2,3,4,10,14b-Hexahydro-6-methoxy-2- methyldibenzolc.floyrazinol1,2-alazenin				
9 9	Pharmaprojects No. 6748				Antidepressant	Depression, general
9 9 9 U	Phenacaine		620-99-5			
94 94 0	Phenacemide		63-98-9			
9 9 0	Phenacetin		62-44-2			
92 93 0	Phenadoxone		467-84-5			
9	Ph nallymal		115-43-5			
94 94	Phenamet		3819-34-9			
91 91 0	Phenazocine		127-35-5			
9	Phenazopyridine		136-40-3			
9	Phenbutamide		3149-00-6			
9 L	Phencyclidine		77-10-1			
<u>0</u>	Phendimetrazine		634-03-7			
. D	Phenelzine		51-71-8			
9	Phenesterine		3546-10-9			
9	Phenetharbital		357-67-5			
	Phenethicillin		132-93-4			
0	Pheneturide		90-49-3			
9	Phenformin		114-86-3			
L	Phenglutarimide		1156-05-4			
u	Phenindamine		82-88-2			
L	Phenindione		83-12-5			
u	Pheniprazine		55-52-7			
u	Pheniramine		86-21-5			
	Phenmetrazine		134-49-6			
L	Phenobarbital		9-90-09			
u	Phenobutiodil		554-24-5			
п	Phenocoli		103-97-9			
u	Phenoctide		78-05-7			
	Phenolphthalein		8-60-22			
	Phenolphthalol		81-92-5			

			Patent		
API Generic Name	API Chemical Name	CAS No.	Kererence	Example of Inerapeutic Use	Example of Indication
Phenolsulfonphthalein		143-74-8			
Phenoitetrachlorophthal		639-44-1			
ein					
Phenoperidine		562-26-5			
Phenosulfazole		515-54-8			
Phenoxybenzamine		59-96-1			
Phenoxypropazine		3818-37-9			
Phenprobamate		673-31-4			
Phenprocoumon		435-97-2			
	Pyrrolo(2,3-b)indol-5-ol, 1,2,3,3a,8,8a-				
phenserine	hexahydro-1,3a,8-trimethyl-, phenylcarbamate (ester), (3aS-cis)- [CAS] 101246-66-6	101246-66-6		Cognition enhancer	Alzheimer's disease
Phensuximide		86-34-0			
Phentermine		122-09-8			
Phentetiothalein		18265-54-8			
	Phenol, 3-(((4,5-dihydro-1H-imidazoL2- yi)methyl)(4-methylphenyl)amino)-,	65-28-1			
phentolamine	monomethanesulfonate (salt) [CAS]	50-60-2		Formulation, oral, other	Impotence
Phenyl Acetylsalicylate		134-55-4			
Phenyl Aminosalicylate		133-11-9			
Phenyl Salicylate		118-55-8			
Phenylbutazone		50-33-9			
Phenylephrine		61-76-7			
Phenylethanolamine		7568-93-6			
Phenylmercury		102-98-7			
Phenylmethylbarbituric Acid		76-94-8			
phenylpropanolamine	Benzenemethanol, Alpha-(1-aminoethyl)-, (R*,S*)-(+/-)- [CAS]	14838-15-4		Anorectic/Antiobesity, formulation, optimized, microparticles	
Phenylpropylmethylami		6-88-6			
all					

API Chemical Name GAS No.							
CAS No. Reference				Patent			:
100 2.4-Imidazolidinedione, 5.5-diphenyl-bridge 553-69-5 100 2.4-Imidazolidinedione, 5.5-diphenyl-bridge 5741-0 100 100 100	PI Generic Name			Reference		Example of Therapeutic Use	Example of Indication
1001 2,4-Imidazolidinedione, 5,5-diphenyl- 57-41-0	henyltoloxamine		92-12-6				
ate control (2,4-lmidazolidinedione, 5,5-dipheny)- ate cinol (CAS) cinol (108-73-6) cinol (108-73-6) ce control (108-73-6) ce carboxamide (109-67-1) carboxamide (109-73-3) carboxamide (109-73-3) carboxamide (109-73-3) carboxamide (109-10-10-10-10-10-10-10-10-10-10-10-10-10-	henyramidol		553-69-5				
ate 104-34-9 510-34-9 510-34-9 510-34-9 510-34-9 510-34-9 510-34-9 510-34-9 510-34-9 510-34-9 510-34-9 510-34-9 510-34-6 510-34-9 510-34-6 510-34-9 510-3	riction	2,4-Imidazolidinedione, 5,5-diphenyl-	57.41-0		ц	Formulation oral other	Enilansy general
ate 510-34-9 cinol 6 e 108-73-6 e 509-67-1 preatine 509-67-1 ysteamine 67-07-2 Ilfactamide 107-73-3 Infactamide 131-69-1 d 131-69-1 d 131-69-1 d 131-69-1 d 157-47-6 d 157-47-6 d 165-74-7-6 d 165-74-7-6 d 165-74-7-6 d 165-74-7-6 d 165-74-7-6 d 165-7-7-3-3 mannopyranosyl-(1-3)-O-Alpha-D-mannopyranosyl-(1-2)-Alpha-D-mannopyranosyl-(1-2)-bydrogen sulphate (CAS) 16A-7-7-3-0 ie 2H-(1-13)Oxazino(0-11-10		-	omigration, oral, other	Lpircha), general
cinol 108-73-6 e 509-67-1 e 370-14-9 reatine 67-07-2 ysteamine 67-07-2 Iffacetamide 107-73-3 Iffathiazole 5746-40-7 ephedrine 131-69-1 none 84-80-0 mannopyranosyl-(1-3)-O-Alpha-D-mannopyranosyl-(1-3)-O-Alpha-D-mannopyranosyl-(1-3)-O-Alpha-D-mannopyranosyl-(1-3)-O-Alpha-D-mannopyranosyl-(1-2)- hydrogen sulphate 83-86-3 (CAS) 2H-(1,3)Oxazino(3,2-a)indole-10-carboxamide, N-((1-butyl-4-pin	hethenylate		510-34-9				
reatine streatine systeamine lifactamide lifathiazole mine mine D-Mannose, O-6-O-phosphono-Alpha-D-mannopyranosyl-(1-3)-O-Alpha-D-mannopyranosyl-(1-3)-O-Alpha-D-mannopyranosyl-(1-2)- hydrogen sulphate [CAS] PH-(1,3)Oxazino(3,2-a)indole-10-carboxamide, N-((1-butyl-4-piperidinyl)methyl)-3,4-dihydro-[CAS] Petholine D-Mannose, O-6-O-phosphono-Alpha-D-mannopyranosyl-(1-3)-O-Alpha-D-mannopyranosyl-(1-3)-O-Alpha-D-mannopyranosyl-(1-2)- hydrogen sulphate [CAS] PH-(1,3)Oxazino(3,2-a)indole-10-carboxamide, N-((1-butyl-4-bityl	hloroglucinol		108-73-6				
370-14-9 370-14-9	holcodine		509-67-1				
reatine 67-07-2 ysteamine 5746-40-7 /choline 107-73-3 Ilfactamide 107-73-3 Ilfathiazole 85-73-4 ephedrine 365-26-4 none 84-80-0 mannopyranosyl-(1-3)-O-phosphono-Alpha-D-mannopyranosyl-(1-3)-O-Alpha-D-mannopyranosyl-(1-3)-O-Alpha-D-mannopyranosyl-(1-3)-O-Alpha-D-mannopyranosyl-(1-3)-O-Alpha-D-mannopyranosyl-(1-3)-O-Alpha-D-mannopyranosyl-(1-2)-hydrogen sulphate (CAS) 185077-23-0 2H-(1,3)Oxazino(3,2-a)indole-10-carboxamide, N-((1-butyl-4-brityl-4-bityl-	holedrine		370-14-9				
ysteamine 5746-40-7 /Icholine 107-73-3 Ilfacthiazole 131-69-1 ephedrine 85-73-4 ione 84-80-0 mine 84-80-0 d D-Mannose, O-6-O-phosphono-Alpha-D-mannopyranosyl-(1-3)-O-Alpha-D-mannopyranosyl-(1-3)-O-Alpha-D-mannopyranosyl-(1-3)-O-Alpha-D-mannopyranosyl-(1-2)- hydrogen sulphate (CAS) 185077-23-0 2H-(1,3)Oxazino(3,2-a)indole-10-carboxamide, N-((1-butyl-4-piperidinyl)methyl)-3,4-dihydro- [CAS] 152811-62-6 e 21755-66-8 e 10040-45-6 e 32828-81-2	hosphocreatine		67-07-2				
/Icholine 107-73-3 Ilfateetamide 131-69-1 Ilfathiazole 85-73-4 ephedrine 365-26-4 none 84-80-0 d D-Mannose, O-6-O-phosphono-Alpha-D-mannopyranosyl-(1-3)-O-Alpha-D-mannopyranosyl-(1-3)-O-Alpha-D-mannopyranosyl-(1-3)-O-Alpha-D-mannopyranosyl-(1-2)- hydrogen sulphate (CAS) 83-86-3 2H-(1,3)Oxazino(3,2-a)indole-10-carboxamide, N-(1-butyl-4-piperidinyl)methyl)-3,4-dihydro- [CAS] 39640-15-8 e 5636-92-0 e 10040-45-6 e 32828-81-2	hosphocysteamine		5746-40-7				
131-69-1 131-69-1	hosphorylcholine		107-73-3				
1fathiazole	hthalylsulfacetamide		131-69-1				
ephedrine 365-26-4 none 84-80-0 d 57-47-6 d D-Mannose, O-6-O-phosphono-Alpha-D-mannopyranosyl-(1-3)-O-Alpha-D-mannopyranosyl-(1-3)-O-Alpha-D-mannopyranosyl-(1-3)-O-Alpha-D-mannopyranosyl-(1-2)- hydrogen sulphate [CAS] 185077-23-0 ECAS 2H-(1,3)Oxazino(3,2-a)indole-10-carboxamide, N-((1-butyl-4-piperidinyl)methyl)-3,4-dihydro- [CAS] 152811-62-6 piperidinyl)methyl)-3,4-dihydro- [CAS] 21755-66-8 e 10040-45-6 e 32828-81-2	hthalylsulfathiazole		85-73-4				-
mine 84-80-0 d B3-86-3 d D-Mannose, O-6-O-phosphono-Alpha-D-mannopyranosyl-(1-3)-O-Alpha-D-mannopyranosyl-(1-3)-O-Alpha-D-mannopyranosyl-(1-3)-O-Alpha-D-mannopyranosyl-(1-2)- hydrogen sulphate (CAS) (CAS) 2H-(1,3)Oxazino(3,2-a)indole-10-carboxamide, N-((1-butyl-4-piperidinyl)methyl)-3,4-dihydro-[CAS] 152811-62-6-yro e 21755-66-8 C1755-66-8 e 10040-45-6 e 32828-81-2	-Hydroxyephedrine		365-26-4				
d 57-47-6 d B.3-86-3 d D-Mannose, O-6-O-phosphono-Alpha-D-mannopyranosyl-(1-3)-O-Alpha-D-mannopyranosy	hylloquinone		84-80-0				
d B3-86-3 D-Mannose, O-6-O-phosphono-Alpha-D-mannopyranosyl-(1-3)-O-Alpha-D-mannopyranosyl-(1-3)-O-Alpha-D-mannopyranosyl-(1-3)-O-Alpha-D-mannopyranosyl-(1-3)-P-hydrogen sulphate (CAS) 185077-23-0 (CAS) 39640-15-8 2H-(1,3)Oxazino(3,2-a)indole-10-carboxamide, N-((1-butyl-4-piperidinyl)methyl)-3,4-dihydro- [CAS] 152811-62-6 B 5636-92-0 C 21755-66-8 E 10040-45-6 C 32828-81-2	hysostigmine		57-47-6				
D-Mannose, O-6-O-phosphono-Alpha-D-mannopyranosyl-(1-3)-O-Alpha-D-mannopyranosyl-(1-3)-O-Alpha-D-mannopyranosyl-(1-3)-O-Alpha-D-mannopyranosyl-(1-2)- hydrogen sulphate [CAS] 2H-(1,3)Oxazino(3,2-a)indole-10-carboxamide, N-((1-butyl-4-piperidinyl)methyl)-3,4-dihydro- [CAS] 152811-62-6 piperidinyl)methyl)-3,4-dihydro- [CAS] 152811-62-6 piperidinyl)methyl)-3,6-dihydro- [CAS] 152811-62-6 piperidinyl)methyl)-3,6-dihydro- [CAS] 152811-62-6 piperidinyl)methyl)-3,8-dihydro- [CAS] 17755-66-8 piperidinyl)methyl)-3,8-dihydro- [CAS] 17755-66-8 piperidinyl)methyl)-3,8-dihydro- [CAS] 17755-66-8 piperidinyl)methyl)-3,8-dihydro- [CAS] 17755-66-8 piperidinyl)methyl)-3,8-dihydro- [CAS] 17755-66-8 piperidinyl)methyl)-3,8-dihydro- [CAS] 17755-66-8 piperidinyl)methyl)-3,8-dihydro- [CAS] 17755-66-8 piperidinyl)methyl)-3,8-dihydro- [CAS] 17755-66-8 piperidinyl)-3,8-dihydro- [CAS] 17755-66-8 piperidinylyl	hytic Acid		83-86-3				
mannopyranosyl-(1-3)-O-Alpha-D- mannopyranosyl-(1-3)-O-Alpha-D- mannopyranosyl-(1-2)- hydrogen sulphate [CAS] 2H-(1,3)Oxazino(3,2-a)indole-10- carboxamide, N-((1-butyl-4- piperidinyl)methyl)-3,4-dihydro- [CAS] b 21755-66-8 e 10040-45-6 e 32828-81-2		D-Mannose, O-6-O-phosphono-Alpha-D-					
mannopyranosy1-(1-2)- hydrogen sulphate [CAS] (CAS] 2H-(1,3)Oxazino(3,2-a)indole-10- carboxamide, N-((1-butyl-4- piperidinyl)methyl)-3,4-dihydro- [CAS] piperidinyl)methyl)-3,6-dihydro- [CAS] 21755-66-8 10040-45-6 32828-81-2		mannopyranosyl-(1-3)-O-Alpha-D-mannonyranosyl-(1-3)-O-Alpha-D-					
(CAS 1-2)- hydrogen sulphate 185077-23-0 185077-23-		mannopyranosyl-(1-3)-O-Alpha-D-					
39640-15-8 2H-(1,3)Oxazino(3,2-a)indole-10- carboxamide, N-((1-butyl-4- piperidinyl)methyl)-3,4-dihydro- [CAS] 152811-62-6 WO 62510-56-9 521755-66-8 6 10040-45-6 6 32828-81-2	-88	mannopyranosyl-(1-2)- hydrogen sulphate [CAS]	185077-23-0		₹	Anticancer, other	Cancer, melanoma
2H-(1,3)Oxazino(3,2-a)indole-10- carboxamide, N-((1-butyl-4- piperidinyl)methyl)-3,4-dihydro- [CAS] 152811-62-6 WO le	iberaline		39640-15-8				
piperidinyl)methyl)-3,4-dihydro- [CAS] 152811-62-6 WO 62510-56-9 62510-56-9 5636-92-0 71755-66-8 600 72828-81-2		2H-(1,3)Oxazino(3,2-a)indole-10- carboxamide. N-(1-butyl-4-					
9	boserod	piperidinyl)methyl)-3,4-dihydro- [CAS]				Antiarrhythmic	Fibrillation, atrial
9	icilorex		62510-56-9				
9	icloxydine		5636-92-0				
9	icoperine		21755-66-8				
Ð	icosulfate		10040-45-6				
	icotamide		32828-81-2				
Picumast 39577-19-0	icumast		39577-19-0				

			Patent	ant .		
API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
pidotimod	4-I niazolidinecarboxylic acid, 3-[(5-0xo-2-pyrrolidinyl)carbonyl]- [CAS]	121808-62-6	БP	276752	Immunomodulator, anti-infective	Infection, respiratory tract, lower
Pifarnine		56208-01-6				
piketoprofen	Benzeneacetamide, 3-benzoyl-Alpha- methyl-N-(4-methyl-2-pyridinyl)- [CAS]	60576-13-8	GB	1436502	Anti-inflammatory, topical	
Pildralazine		64000-73-3				
pilocarpine	2(3H)-Furanone, 3-ethyldihydro-4-[(1- methyl-1H-imidazol-5-yl)methyl]-, (3S-cis)- [CAS]	92-13-7			Formulation, implant, Stomatological	
Piloplex	2-Propenoic acid, 2-methyl-, dodecyl ester, polymer with 2-propenoicacid, compd. with (3S-cis)-3-ethyldihydro-4-[(1-methyl-1H-imidazol-5-yl)methyl]-2(3H)-furanone [CAS]	62783-28-2	JE JE	2636559	Formulation, mucosal, topical	Glaucoma
pilsicainide	1H-Pyrrolizine-7a(5H)-acetamide, N-(2,6-dimethylphenyl)tetrahydro-, monohydrochloride [CAS]	88069-49-2 88069-67-4	Sn	4564624	Antiarrhythmic	Arrhythmia, general
Pimeclone		534-84-9				
	15,19-Epoxy-3H-pyrido(2,1- c)(1,4)oxaazacyclotricosine- 1,7,20,21(4H,23H)-tetrone, 3-(2-(4-chloro- 3-methoxycyclohexyl)-1-methyletheny)-8- ethyl- 5,6,8,11,12,13,14,15,16,17,18,19,24,25,26 ,26a-hexadecahydro-5,19-dihydroxy-14,16- dimethoxy-4,10,12,18-tetramethyl-(3S- (3R*E(1S*,3S*,4R*)),					
pimecrolimus	45",5K",8S",9E",1ZK",14K",5S",15K",18S [8,19S*,26aR*)]- [CAS]	137071-32-0	Б	626385	Antipruritic/inflamm, allergic	Eczema, atopic
Pimefylline		10001-43-1				
	Acetic acid, [2-[octahydro-5-hydroxy-6-(3-hydroxy-5-methyl-1-nonenyl]-2-pentalenyl]ethoxy]-, methyl ester, [2R-[ZAlpha,3Alpha,4Alpha(1E,3S*,5S*),58,6a					
pimilprost	Alpha]]- [CAS]	139403-31-9			Dermatological	Ulcer, general
Piminodine		13495-09-5				411
Pimobendan		74150-27-9				

A DI Generic Name	ADI Chemical Name		Patent Poforo:	Patent Poference	Cyampio of Thornwelltin I loo	Evample of Indication
Ari Genetic Maine	Di Bonzimidazo 2 ono 4 14 14 4 his/4		200	ania	Example of Therapeutic Ose	Example of indication
:	or-z-one, 1-[1-[4,4-bis(4- ityl]-4-piperidinyl]-1,3-					
pimozide	dihydro- [CAS]	2062-78-4	۳ ا	M3695	Neuroleptic	:
Pinacidil		85371-64-8				
pinaverium	Morpholinium, 4-{(2-bromo-4,5-dimethoxyphenyl)methyl]-4-[2-[2-(6,6-dimethylbicyclo[3.1.1]hept-2-yl)ethoxy]ethyl] [CAS]	53251-94-8 59995-65-2	7 d3	406743	Antispasmodic	Irritable bowel syndrome
pinazepam	2H-1,4-Benzodiazepin-2-one, 7-chloro-1,3-dihydro-5-phenyl-1-(2-propynyl)-[CAS]	52463-83-9	DE 2	2339790	Anxiolytic	
Pindolol		13523-86-9				
pioglitazone	2,4-Thiazolidinedione, 5-[[4-[2-(5-ethyl-2-pyridinyl)ethoxy]phenyl]methyl]-, monohydrochloride (+/-)- [CAS]	111025-46-8 112529-15-4	EP T	193256	Antidiabetic	Diabetes, Type II
Pipacycline		1110-80-1				
Pipamazine		84-04-8				
Pipamperone		1893-33-0				
Pipazethate		2167-85-3				
Pipebuzone		27315-91-9				
Pipecurium		52212-02-9				
pipecuronium	Piperazinium, 4,4'- [(2ß, 3Alpha, 5Alpha, 16ß, 17ß)-3,17- bis(acetyloxy)androstane-2,16-diyi]bis[1,1]-52212-02-9 dimethyl-, [CAS]		GB 1	1398050	Muscie relaxant	Anaesthesia, adjunct
pipemidic acid	Pyrido[2,3-d]pyrimidine-6-carboxylic acid, 8-ethyl-5,8-dihydro-5-oxo-2-(1-piperazinyl)- [CAS]	51940-44-4	GB 1	1451911	Antibacterial, other	Infection, urinary tract
Pipenzolate Bromide		125-51-9				
Piperacetazine		3819-00-9				
piperacillin	4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[[(4-ethyl-2,3-dioxo-1-piperazinyl)carbonyl]amino]phenylacetyl]amino]-3.3-dimethyl-7-oxo-[2S-[2Alpha,5Alpha,6ß(S*)]]-[CAS]	59703-84-3 61477-96-1	CB 1	1508062	Penicillin, injectable	Infection, general

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			rale Defe	1	Transfer of Thomas and I on	Example of Indication
API Generic Name	API Chemical Name		Kere	Kererence	Example of Therapeutic Ose	Example of indication
Piperazine Adipate		142-88-1				
Piperidione		77-03-2				
Piperidolate		82-98-4				
Piperilate		4546-39-8				
piperine analogues			ΟM	002544	Dermatological	Vitiligo
Piperocaine		136-82-3				
Piperonal		120-57-0				
Piperoxan		59-39-2				
Piperylone		25 31-4-6				
Pipobroman		54-91-1				
Piposulfan		2608-24-4				
	Hexadecanoic acid, 2-[1-[3-[2- [/dimethylamino)sulfonyll-10H-					
	phenothiazin-10-yl]propyl]-4-					
pipotiazine	piperidinyl]ethyl ester [CAS]	39860-99-6	SN	4782077	Neuroleptic	
Pipoxolan		18174-58-8				
Pipradrol		467-60-7				
piprozolin	Acetic acid, [3-ethyl-4-oxo-5-(1-piperidinyl)- 2-thiazolidinylidene]-, ethyl ester [CAS]	17243-64-0	SN	3971794	GI inflammatory/bowel disorders	Motility dysfunction, GI, general
Piracetam		7491-74-9				
	5,12-Naphthacenedione, 10-[[3-amino-2,3,6-trideoxy-4-O-(tetrahydro-2H-pyran-2-yl)-Alpha-L-lyxo-hexopyranosyl]oxy}-7,8,9,10-tetrahydro-6,8,11-trihydroxy-8-					
pirarubicin	(nydroxyacetyl)-1-metnoxy-, [85- [8Alpha,10Alpha(S*)]]- [CAS]	72496-41-4	Sn	4303785	Anticancer, antibiotic	Cancer, breast
Pirazolac		71002-09-0				
pirbuterol	2,6-Pyridinedimethanol, Alpha6-[[(1,1- dimethylethyl)amino]methyl]-3-hydroxy-, monoacetate (satl) [CAS]	38029-10-6 38677-81-5 65652-44-0	SN	3786160	Antiasthma	Asthma
Pirenoxine		1043-21-6				

API Generic Name	API Chemical Name	CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
pirenzepine	6H-Pyrido[2,3-b][1,4]benzodiazepin-6-one, 5,11-dihydro-11-[(4-methyl-1- piperazinyl)acetyi]- [CAS]	28797-61-7 29868-97-1	F.	1505795		
piretanide	Benzoic acid, 3-(aminosulfonyl)-4-phenoxy 5-(1-pyrrolidinyl)- [CAS]	55837-27-9	Sn	4010273	Antihypertensive, diuretic	Hypertension, general
pirfenidone	2(1H)-Pyridinone, 5-methyl-1-phenyl- [CAS]	53179-13-8			Respiratory	Fibrosis, pulmonary
piribedil	Pyrimidine, 2-[4-(1,3-benzodioxol-5- ylmethyl)-1-piperazinyl]- [CAS]	3605-01-4	Sn	3299067	Vasodilator, peripheral	Parkinson's disease
Piridocaine		87-21-8				
Pirifibrate		55285-45-5				
Piritramide		302-41-0				
Piritrexim		72732-56-0				
pirlindole	1H-Pyrazino[3,2,1-jk]carbazole, 2,3,3a,4,5,6-hexahydro-8-methyl- [CAS]	16154-78-2 60762-57-4	SU	276060	Antidepressant	Depression, general
pirmenol	(2-Pyridinemethanol, Alpha-[3-(2,6-dimethyl-1-piperidinyl)propyl]- Alpha.phenyl-, cis-(+)- [CAS]	61477-94-9 68252-19-7	Sn	4112103	Antiarrhythmic	Tachycardia, supraventricular
Piroctone		50650-76-5				
Piroheptine		16378-21-5				
Piromidic Acid		19562-30-2				
piroxicam	2H-1,2-Benzothiazine-3-carboxamide, 4- hydroxy-2-methyl-N-2-pyridinyl-, 1,1- dioxide [CAS]	36322-90-4	Sn	3862319	Anti-inflammatory	
piroxicam betadex	8-Cyclodextrin, compd. with 4-hydroxy-2-methyl-N-2-pyridinyl-2H-1,2-benzothiazine- 121696-62-6 3-carboxamide 1,1-dioxide- [CAS]	121696-62-6 96684-39-8	EP	153998	Formulation, other	Pain, musculoskeletal
piroxicam cinnamate	2-Propenoic acid, 3-phenyl-, 2-methyl-3- [(2-pyridinylamino)carbonyl]-2H-1,2- benzothiazin-4-yl ester, S,S-dioxide [CAS] 87234-24-0	87234-24-0	ЕÐ	79639	Antiarthritic, other	Inflammation, general
Pirozadil		54110-25-7				
Pirprofen		31793-07-4				

API Generic Name	API Chemical Name	CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
	6-Heptenoic acid, 7-[2-cyclopropyl-4-(4- fluorophenyl)-3-quinolinyl]-3,5-dihydroxy-,					
pitavastatin	calcium salt (2:1), [S-[R*,S*-(E)]]- [CAS]	147526-32-7	딥	304063	Hypolipaemic/Antiatherosclerosis	Hyperlipidaemia, general
pivagabine	N-trimethylacetyl-4-aminobutyric acid	69542-93-4			Neurological	Anxiety, general
pivaloyloxymethyl	Butanoic acid, (2,2-dimethyl-1- oxopropoxy)methyl ester [CAS]	122110-53-6	묩	302349	Anticancer, other	Cancer, lung, non-small cell
Pivalylbenzhydrazine		306-19-4				
Pivampicillin		33817-20-8				
pivampicillin/pivmecillinam		98445-47-7			Penicillin, oral	Infection, general
Pivcefalexin		63836-75-9				
	4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[(hexahydro-1H-azepin-1-yl)methylene]amino]-3,3-dimethyl-7-oxo-					
pivmecillinam	, (2,2-dimethyl-1-oxopropoxy)methyl ester, [2S-(2Alpha,5Alpha,6ß)]- [CAS]	32886-97-8	GB	1293590	Penicillin, oral	Infection, general
	Benz[g]isoquinoline-5, 10-dione, 6,9-bis[(2-aminoethyl)amino]-, (2Z)-2-butenedioate(1:2)					Cancer, lymphoma, non-
pixantrone	[CAS]	144675-97-8	Ш	503537	Anticancer, other	Hodgkin's
pizotifen	4-(9,10-dihydro-4H- benzo[4,5]cyclohepta[1,2-b]thien-4- ylidene)-1-methylpiperidine	15574-96-6	DE	2346747	Antimigraine	
Pizotyline		15574-96-6				
PKI-166	Phenol, 4-(4-(((1R)-1-phenylethyl)amino)-1H-pyrrolo(2,3-d)pyrimidin-6-yl)- [CAS]	187724-61-4			Anticancer, other	Cancer, general
p-Lactoph netide		539-08-2				
Plafibride		63394-05-8				
plasminogen activator	Plasminogen activator [CAS]	105913-11-9	ЕЪ	151996	Fibrinolytic	Infarction, myocardial
Plasmocid		551-01-9				
Platonin		3571-88-8				
Plaunotol		64218-02-6				
PLD-118	Cyclopentanecarboxylic acid, 2-amino-4- methylene-, (1R,2S)- [CAS]	198022-65-0	급	805145	Antifungal	Infection, Candida, general

API Generic Name	API Chemical Name	CAS No.	Patent Referen	Patent Reference	Example of Therapeutic Use	Example of Indication
PLD-147	(OC-6-43)-Bis(acetato)(1- adamantylamine)ammine-dichloro- platinum (IV)					Cancer, general
pleconaril	1,2,4-Oxadiazole, 3-(3,5-dimethyl-4-(3-(3-methyl-5-isoxazolyl)propoxy)phenyl)-5- (trifluoromethyl)- [CAS]	153168-05-9	Sn	5464848	Antiviral, other	Infection, respiratory tract, general
Plicamycin		18378-89-7				
p- Methyldiphenhydramine		19804-27-4				
PMS-601			OM	0001677	Antiviral, anti-HIV	Infection, HIV/AIDS
Pneumococcal Vaccine, Diphtheria Conjugate						
Pneumococcal Vaccine, Polyvalent						
PNU-288034	N-[[(5s)-3[4[(1,1-dioxido-4-thiomorpholiny)]3,5-difluorophenyl]-2-oxo-5-oxazolidinyl]methyl]acetamide]				Antibiotic, other	Infection, general
Podophyllotoxin		518-28-5				
polaprezinc	Zinc, bis(N-18-alanyl-L-histidinato- N3,OAlpha)-, (T-4)- [CAS]	107667-60-7	<u></u>	303380	Antiulcer	Ulcer, duodenal
Poldine Methylsulfate		545-80-2				
Policresulen		9011-2-3				
Polidexide		9064-92-0				
polidocanol	Polyethylene glycol monododecyl ether	3055-99-0 9002-92-0			Vasoprotective, systemic	Venous insufficiency
Poliovirus Vaccine Inactivated						

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API Generic Name	API Chemical Name	CAS No.	Refe		Example of Therapeutic Use	Example of Indication
poly-ADPRT inhibitors			8	9845253	Anticancer, other	Cancer, general
Polyestradiol Phosphate		28014-46-2				
Polyphenon E	Polyphenon E [CAS]	188265-33-0			Antiviral, other	Infection, human papilloma virus
Polythiazide		346-18-9				
porfimer	Photofrin [CAS]	87806-31-3	Sn	4882234	Anticancer, other	Cancer, lung, non-small cell
P rfiromycin		801-52-5				
oncaronazola	D-threo-Pentitol, 2,5-anhydro-1,3,4-trideoxy-2-C-(2,4-difluorophenyl)-4-((4-(4-(4-(1(1S,2S)-1-ethyl-2-hydroxypropyl)-1,5-dihydro-5-oxo-4H-1,2,4-triazol-4-yl)phenyl)-1-piperazinyl)phenoxy)methyl)-1-(1H-1,2,4-triazol-1,n)-1	171928.40.2	ď	57.14490	Antifinasi	Infaction fundal general
Docativelin		78664-73-0		200		incoron, tangar, goran
potassium chloride	Potassium chloride (KCI) [CAS]	7447-40-7			Formulation, oral, enteric-coated	
Potassium Gluconate		299-27-4				
Potassium		1321-14-8				
Guaiacolsulfonate						
Potassium p- Aminobenzoate		138-84-1				
Potassium Permanganate		7722-64-7				
Povidone		9003-39-8				
Povidone-lodine		25655-41-8				
PP-117	3-Pyridinemethanol, hydrofluoride [CAS]	62756-44-9	DE	2633028	Formulation, oral, other	Unspecified
PR-2699	(-)-(E)-[4-(2,4-dichlorophenyl)-1,3-dithiolan- 2-yildene]-1-imidazolylacetonitrile				Antifungal	Infection, fungal, general

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API Generic Name	API Chemical Name	CAS No.	Patent Referer	Patent Reference	Example of Therapeutic Use	Example of Indication
PR-608	(S)-(-)-1-[4,4-bis(4-fluorophenyl)butyl]-4-(2- hydroxy3-phenylaminopropyl)piperazine trihydrochloride				Antiparkinsonian	Parkinson's disease
Practolol		6673-35-4				
Prajmaline		35080-11-6		:		
Pralidoxime		51-15-0				
	6H-Pyridazino(1,2-a)(1,2)diazepine-1- carboxamide, N-((2R,3S)-2- ethoxytetrahydro-5-oxo-3- furanylnortahydro-9-(11-					
pralnacasan	isoquinolinylcarbonyl)amino)-6,10-dioxo-, (1S,9S)- [CAS]	192755-52-5			Antiarthritic, immunological	Arthritis, rheumatoid
pramipexole	2,6-Benzothiazolediamine, 4,5,6,7- tetrahydro-N6-propyl-, (S)- [CAS]	ę.	<u>u</u>	186087	Antiparkinsonian	Parkinson's disease
pramiracetam	1-Pyrrolidineacetamide, N-[2-[bis(1- methylethyl)amino]ethyl]-2-oxo-, monohydrochloride [CAS]	68497-62-1 72869-16-0 75733-50-5	Sn	4145347	Cognition enhancer	Amnesia
Pramiv rin		14334-40-8				
pramlintide	1,2-Dithia-5,8,11,14,17- pentaazacycloeicosane, cyclic peptide deriv. [CAS]	151126-32-8	Sn	5124314	Antidiabetic	Diabetes, Type I
Pramoxine		140-65-8				
pranidipine	3,5-Pyridinedicarboxylic acid, 1,4-dihydro- 2,6-dimethyl-4-(3-nitrophenyl)-, methyl 3- phenyl-2-propenyl ester, (E)- [CAS]	99522-79-9	<u> </u>	173126	Antihypertensive, other	Hypertension, general
Prantukast		103177-37-3				
pranoprofen	5H-[1]Benzopyrano[2,3-b]pyridine-7-acetic acid, Alpha-methyl- [CAS]	52549-17-4			Formulation, mucosal, topical	Ocular disorder, general
prasterone	<u>.</u>	53-43-0			Labour inducer	
pratosartan	4(3H)-Cycloheptimidazolone, 5,6,7,8- letrahydro-2-propyl-3-[[2-(1H-tetrazol-5- yl)[1,1'-biphenyl]-4-yl]methyl]- [CAS]	153804-05-8	SN	5409947	Antihypertensive, renin system	Hypertension, general

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API Generic Name	API Criemical Name -Naphthaleneheptanoic acid. 126788a-	CAS NO.	26	anialala	Example of Therapeutic Ose	Example of mucation
	hexahydro-ß,delta,6-trihydroxy-2-methyl-8- (2-methyl-1-oxobutoxy)-, monosodium	-				
	deltaS*),2Alpha,6Alpha,8ß(R*	81093-37-0			_	
pravastatin),8aAlpha]]- [CAS]	81131-70-6	S	4346227	Hypolipaemic/Antiatherosclerosis	Atherosclerosis
Prazepam		2955-38-6				
praziquantel	4H-Pyrazino[2,1-a]isoquinolin-4-one, 2- (cyclohexylcarbonyl)-1,2,3,6,7,11b- hexahydro- [CAS]	55268-74-1	Sn	4001411	Schistosomicide	
prazosin	mino-6,7-dimethoxy-2- furanylcarbonyl)-[CAS]	19216-56-9 19237-84-4	S	4092315	Antihypertensive, adrenergic	Hypertension, general
Prednicarbate		73771-04-7				
ori en motoro	Pregna-1,4-diene-3,20-dione, 21-[4-[4- [bis(2-chloroethyl)amino]phenyl]-1-	20060 24.7	a	1272841	Anticonner alkyleting	
		E0000 E4 /	3		Burn top top top	
Prednisolone		30- 2 4-0				
Prednisolone 21- Diethylaminoacetate		5626-34-6				
prednisolone farnesii	Pregna-1,4-diene-3,20-dione, 11,17- dihydroxy-21-[(3,7,11-trimethyl-1-oxo- 2,6,10-dodecatrienyl)oxy]-, [118,21(2E,6E)]- [CAS]	118244-44-3	<u> </u>	332143	Antiarthritic, other	Arthritis, rheumatoid
Prednisolone Sodium Phoenhate		125-02-0				
Prednisone		53-03-2				
Prednival		15180-00-4	<u>.</u>			
Pr dnylidene		599-33-7				
pregabalin	Hexanoic acid, 3-(aminomethyl)-5-methyl, (S)- [CAS]	148553-50-8			Antiepileptic	Epilepsy, general
Pregnan-3α-ol-20-one		128-20-1				
Premarin + trimegestone	Estra-4,9-dien-3-one, 17-(2-hydroxy-1-oxopropyl)-17-methyl-, [17ß (S)]- [CAS]	74513-62-5			Menopausal disorders	Hormone replacement therapy

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
prenalterol	Phenol, 4-[2-hydroxy-3-[(1-methylethyl)amino]propoxy]-, hydrochloride, (S)-[CAS]	57526-81-5 61260-05-7	89	1470039	Cardiostimulant	
Prenoxdiazine		982-43-4				
Prenylamine		390-64-7				
prezatide	Cuprate(1-), (N2-(N-glycyl-L-histidyl)-L- lysinato)(N2-(N-glycyl-L-histidyl)-L- lysinato(2-))- hydrogen (CAS)	130120-57-9			Viiheratv	Wound healing
Pridinol		511-45-5				
Prifinium		4630-95-9		E		
Prilocaine		721-50-6				
Primaquine		90-34-6				
Primidone		125-33-7				
Prinomastat		192329-42-3				
PRO-2000			SN	5614599	Antiviral, anti-HIV	Infection, HIV prophylaxis
Probenecid		6-99-29				
Probucol		23288-49-5				
procainamide	Benzamide, 4-amino-N-[2- (diethylamino)ethyl]- [CAS]	51-06-9 614-39-1			Formulation, other	Arrhythmia, general
Procaine		59-46-1				
Procarbazine		671-16-9				
procaterol	ie, 8-hydroxy-5-[1-hydroxy)amino]butyl]-, de [CAS]	59828-07-8 60443-17-6 72332-33-3	89	1496766	Antiasthma	
prochlorperazine	10H-Phenothiazine,2-chloro-10-[3-(4- methyl-1-piperazinyl)propyl]-, (Z)-2- butenedioate	58-38-8 84-02-6			Formulation, oral, other	Nausea and vomiting, general
procodazol	1H-Benzimidazole-2-propanoic acid [CAS] 23249-97-0	23249-97-0	ES	407882	Anticancer, immunological	Cancer, general
Procyclidine		77-37-2				
Procymate		13931-64-1				
Prodipine		31314-38-2				
Proflavine		92-62-6				
Progabide		62666-20-0				

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progesterone	Pregn-4-ene-3,20-dione [CAS]	57-83-0			Formulation, transmucosal, systemic	Amenorrhoea
	1H-Indole-3-acetic acid, 1-(4- chlorobenzoyl)-5-methoxy-2-methyl-, 2-(4- (3-((4-(benzoylamino)-5-(dipropylamino)-					
proglumetacin	1,5-dioxopentyl)oxy)propyl)-1- piperazinyl)ethylester, (+/-)- [CAS]	57132-53-3 59209-40-4	GB	1467568	Anti-inflammatory	Inflammation, general
proglumide	Pentanoic acid, 4-(benzoylamino)-5- (dipropylamino)-5-oxo-, (+/-)- [CAS]	6620-60-6	吕	1518125	Antiulcer	Ulcer, gastric
Proheptazine		77-14-5				
Prolactin		9002-62-4				
Prolintane		493-92-5				
Prolonium		123-47-7				
Promazine		58-40-2				
Promedol		64-39-1				
Promegestone		34184-77-5				
promestriene	Estra-1,3,5(10)-triene, 17-methoxy-3- propoxy-, (17ß)- [CAS]	39219-28-8	89	1337198	Reproductive/gonadal, general	Acne
Promethazine		2-28-09				
Pronethalol		54-80-8				
propacetamol		N W	SN	4127671	Formulation, parenteral, other	
propafenone	1-Propanone, 1-{2-{2-hydroxy-3- (propylamino)propoxy]phenyl]-3-phenyl- [CAS]	54063-53-5	GB	1307455	Antiarrhythmic	Fibrillation, ventricular
Propagermanium		12758-40-6				
Propallylonal		545-93-7				
Propamidine		104-32-5				
propane-1,2-diol	1,2-propanediol	57-55-6			Formulation, dermal, topical	Infection, fungal, general
Propanidid		1421-14-3				
Propantheline		50-34-0				
Proparacaine		499-67-2				
Propatyl		2921-92-8				
propenidazole	ethyl trans-Alpha-acetyl-1-methyl-5- nitroimidazole-2-acrylate	76448-31-2		-	Antifungal	Infection, trichomoniasis

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Inerapeutic Use	Example of Indication
propentofylline	TH-Purine-2,o-dione, 3,7-dinydro-3-metryl- 1-(5-oxohexyl)-7-propyl- [CAS]	55242-55-2	GB	1470220	Neuroprotective	Ischaemia, cerebral
Propicillin		551-27-9				
Propiomazine		362-29-8				
Propionic Acid		79-09-4				
	panaminium, 3-carboxy-N,N,N- ηνl-2-(1-oxopropoxy)-, chloride, (R)-					-
propionyl L-carnitine	[CAS]	20084-19-1	88	2008578	Vasodilator, peripheral	Peripheral vascular disease
Propipocaine		3670-68-6				
Propiram		15686-91-6				
nconjverine	2,2-diphenyl-2-(1-propoxy)acetic acid (1-methylninerid-4-v) seter hydrochloride	54556-98-8 60569-19-9			Irological	Incontinence
Dronizonino		10321-12-7				
propofol	Phenol, 2,6-bis(1-methylethyl)- [CAS]	2078-54-8	SN	4056635	Anaesthetic, injectable	Anaesthesia
Pronoxycaine		550-83-4				
		460 62 F			The state of the s	
Propoxypnene						
propranolol	Z-Propanol, 1-[(1-metnyletnyl)aminoj-3-(1- naphthalenyloxy)- [CAS]	318-98-9 525-66-6			Formulation, modified-release, <=24hr	Hypertension, general
Propylhexedrine		101-40-6				
Propyliodone		587-61-1				
Propylthiouracil		51-52-5				
Propyphenazone		479-92-5				
Proquazone		22760-18-5				
Proscillaridin		466-06-8				
Prostacyclin		35121-78-9				
Prostaglandin E		745-65-3				
Prostaglandin E2		363-24-6				
Prostaglandin F2a		551-11-1			,	
Prosultiamine		59-58-5				
Protein C		60202-16-6				
Protheobromine		50-39-5				
Prothipendyl		303-69-5				
Protiofate		58416-00-5				

API Generic Name	API Chemical Name	CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
		14222-60-7				-
protizinic acid	10H-Phenothiazine-2-acetic acid, 7- methoxy-Alpha,10-dimethyl-, (+/-)- [CAS]	13799-03-6	Sn 3	3450698	Anti-inflammatory	
Protoanemonin		108-28-1				
Protokylol		136-70-9				
Protoporphyrin IX		553-12-8				
Protriptyline		438-60-8				
Pro-Urokinase		82657-92-9				
Proxazole		5696-9-3				
Proxibarbal		2537-29-3				
proxigermanium	Propanoic acid, 3,3'-{1,3-dioxo-1,3-digermoxanediyI)bis- [CAS]	12758-40-6	FR	2005110	Antiviral, other	Infection, hepatitis-B virus
Proxyphylline		603-00-9				
Prozapine		3426-8-2				
Prucalopride		179474-81-8				
	1H,4H-[1,3]Thiazeto[3,2-a]quinoline-3- carboxylic acid, 6-fluoro-1-methyl-7-[4-[(5- methyl-2-oxo-1,3-dioxol-4-yl)methyl]-1-	102447 69 4	01	316828	O. inclose antibacteria	Infection, respiratory tract,
	piperazinyi]-4-oxo-[CAS]	123447-02-1	- 1	070010	ענוווסוסוופ מוווסמריפומו	galala
Pseudococaine		4/8-/3-9				
pseudoephedrine + triprolidine	Benzenemethanol, Alpha-[1- (methylamino)ethylj-, hydrochloride, [S- (R*,R*)]-, mixt. with (E)-2-[1-(4- methylphenyl)-3-(1-pyrrolidinyl)-1- propenyl]pyridine monohydrochloride [CAS]				Formulation, modified-release, other	Rhinitis, allergic, general
pseudoephedrine	Benzenemethanol, Alpha-[1- (methylamino)ethylj-, [S-(R*,R*)]- [CAS]	90-82-4, 8054-27- 1, 345-78-8			Formulation, oral, other	Infection, respiratory tract, general
Psilocybin		520-52-5				
PSK-3841	Benzonitrile, 4-[3-(4-hydroxybulyl)-4,4- dimethyl-2,5-dioxo-1-imidazolidinyl]-2- (trifluoromethyl)- [CAS]	154992-24-2			Dermatological	Alopecia, general
p-Sulfanilylbenzylamine		4393-19-5				

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API G n ric Name	API Chemical Name	CAS No.	Refe	Reference	eutic Use	Example of Indication
PT-141			S)	6051555	Male sexual dysfunction	Impotence
Pteropterin		89-38-3				
Puromycin		53-79-2				
	1-Methylpropyl 2-mercaptoimidazolyl disulfide					
PX-12				. ~	Anticancer, other	Cancer, general
Pyrantel		15686-83-6				
Pyrazinamide		98-96-4				
Pyridinol Carbamate		1882-26-4				
Pyridostigmine Bromide		101-26-8				
Pyridoxal 5-Phosphate		54-47-7				
Pyridoxine		58-56-0				
Pyrilamine		91-84-9				
Pyrimethamine		58-14-0				
Pyrinoline		1740-22-3				
Pyrisuccideanol		33605-94-6				
Pyrithione		1121-30-8				
Pyrithyldione		77-04-3				
Pyritinol		1098-97-1				
Pyrocatechol		120-80-9				
Pyrogaliol		87-66-1				
Pyronaridine		74847-35-1				
Pyrovalerone		3563-49-3				
Pyroxylin		9004-70-0				
Pyrrobutamine		91-82-7				
Pyrrocaine		2210-77-7				
Pyrrolnitrin		1018-71-9				
Pyrvinium Pamoate		3546-41-6				
quazepam	2H-1,4-Benzodiazepine-2-thione, 7-chloro- 5-(2-fluorophenyl)-1,3-dihydro-1-(2,2,2- trifluoroethyl)- [CAS]	36735-22-5	Sn	3845039	Hypnotic/Sedative	Insomnia
Quercetin		117-39-5			- Contract of the Contract of	NEW TOTAL PROPERTY OF THE PROP

API G n ric Name	API Chemical Name	CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
quetiapine	Ethanol, 2-[2-(4-dibenzo[b,f][1,4]thiazepin- 11-yl-1-piperazinyl)ethoxy]-, (E)-2- butenedioate (2:1) (salt) [CAS]	111974-69-7 111974-72-2	EP	240228	Neuroleptic	Schizophrenia
Quinacillin		1596-63-0				
quinacrine	N.(6-Chloro-2-methoxy-9-acridinyl)-N,N- diethyl-1,4-pentanediamine + 10H- Phenothiazine-10-propanamine, 2-chloro- N,N-dimethyl	83-89-6			Neurological	Creutzfeldt-Jakob disease
quinagolide	Sulfamide, N.N-diethyl-N'- (1,2,3,4,4a,5,10,10a-octahydro-6-hydroxy- 87056-78-8 1-propylbenzo[g]quinolin-3-yl)-, (3Alpha,4aAlpha,10a8)- (+/-)- [CAS]	87056-78-8 94424-50-7 97805-49-7	EP	77754	Antiprolactin	Hyperprolactinaemia
quinapril	3-Isoquinolinecarboxylic acid, 2-[2-[[1-62586-55-8 cxopropyl]-1,2,3,4-tetrahydro-, [3S-90241-61-8 g0243-99-5	82586-55-8 85441-61-8 90243-99-5	EP	49605	Antihypertensive, renin system	Hypertension, general
quinaprilat	3-Isoquinolinecarboxylic acid, 2-[2-[(1-carboxy-3-phenylpropyl)amino]-1-oxopropyl]-1,2,3,4-tetrahydro-, [3S-[2[R*(R*)],3R*]]- [CAS]	82768-85-2	EP	46953	Antihypertensive, renin system	Hypertension, general
Quinapyramine		20493-41-8				
Quinbolone		2487-63-0				
Quinestradiol		1169-79-5				
Quinestrol		152-43-2				
Quinethazone		73-49-4				
quinfamide	2-Furancarboxylic acid, 1-(dichloroacetyl)- 1,2,3,4-tetrahydro-6-quinolinyl ester [CAS] 62265-68-3	62265-68-3	S	3997542	Amoebicide	
quinidine	Cinchonan-9-ol, 6-methoxy-, (9S)-, sulfate 747-45-5 (1:1) (salt) [CAS] 56-54-2	747-45-5 56-54-2			Formulation, modified-release, other	Arrhythmia, general
Quinine		130-95-0				
Quinocide		525-61-1				
Quinupramine		31721-17-2				

API Generic Name	API Chemical Name	CAS No	Patent Referen	Patent Reference	Example of Therapeutic Use	Example of Indication
Quinupristin		120138-50-3				
R-107500	cis-2,3,3a,8-tetrahydro-N,N- dimethyldibenz[c,f]isoxazolo[2,3-a]azepine- 2-methanamine		NO WO	WO 9614320	Anxiolytic	Anxiety, general
R-667			٥ ۸	WO 0204439	COPD treatment	Emphysema, general
rabeprazole	1H-Benzimidazole, 2-[[[4-(3-methoxypropoxy)-3-methyl-2-pyridinyl]methyl[sulfinyl]-, sodium salt-[CAS]	117976-89-3 117976-90-6	СH	268956	Antiulcer	Ulcer, gastric
racecadotril	Glycine, N-[2-[(acetylthio)methyl]-1-0x0-3- phenylpropyl]-, phenylmethyl ester, (+/-)- [CAS]	112573-72-5 81110-73-8	ПР	38758	Antidiarrhoeal	Diarrhoea, general
Racemethorphan		510-53-2				
raloxifene	Methanone, [6-hydroxy-2-(4- hydroxyphenyl)benzo[b]thien-3-yl][4-[2-(1- piperidinyl)ethoxy]phenyl]-, hydrochloride [CAS]	82640-04-8 84449-90-1	G.	62503	Osteoporosis treatment	Osteoporosis
raltitrexed	L-glutamic acid, N-[[5-[[(1,4-dihydro-2-methyl-4-oxo-6-quinazolinyl)methyl]methylamino]-2-thienyl[carbonyl]- [CAS]	112887-68-0	ПР	239362	Anticancer, antimetabolite	Cancer, colorectal
ramatroban	9H-Carbazole-9-propanoic acid, 3-[[(4- fluorophenyl)sulfonyljamino]-1,2,3,4- tetrahydro-, (R)- [CAS]	116649-85-5	EP	242518	Antiallergic, non-asthma	Rhinitis, allergic, perennial
Ramifenazone		3615-24-5				
ramipril	Cyclopentalb]pyrrole-2-carboxylic acid, 1- [2-[[1-(ethoxycarbonyl)-3- pheny propyl]amino]-1- oxopropyl]octahydro-, [2S- [1[R*(R*)],2Alpha,3aß,6aß]]-[CAS]	87269-97-4 87333-19-5	ЕР	79022	Antihypertensive, renin system	Heart failure
ramosetron	Methanone, (1-methyl-1H-indol-3- yl)(4,5,6,7-tetrahydro-1H-benzimidazol-5- yl)-, monohydrochloride, (R)- [CAS]	132907-72-3 132036-88-5	G.	381422	Antiemetic	Nausea and vomiting, general
Ramot project No. 1097			SN	5730992	Dermatological	Unspecified
Ranimustine		58994-96-0				

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API Generic Name	API Chemical Name	CAS No.	Refer	Reference	Example of Therapeutic Use	Example of Indication
ranitidine	1,1-Ethenediamine, N-[2-[[[5- [(dimethylamino)methyl]-2- furanyljmethyl[thio]ethyl]-N'-methyl-2-nitro- [CAS]	66357-35-5	NS 7	4128658	Antiulcer	Ulcer, duodenal
ranitidine bismuth citrate	, 2-hydroxy- vith N-(2- thyl-2-ni1-	128345-62-0	g g	533281	Antiulcer	Ulcer, duodenal
ranolazine	1-Piperazineacetamide, N-(2,6-dimethylphenyl)-4-[2-hydroxy-3-(2-methoxyphenoxy)propyl]-, (+/-)- [CAS]		EP .	126449	Antianginal	Angina, general
Ranpirnase		133737-96-9				
Rapacuronium		156137-99-4				
rasagiline	1H-Inden-1-amine, 2,3-dihydro-N-2- propynyl-, (R)-, [CAS]	161735-79-1	Sn	5457133	Antiparkinsonian	Parkinson's disease
Raubasine		483-04-5				
ravuconazole	Benzonitrile, 4-[2-[(1R,2R)-2-(2,4-difluorophenyl)-2-hydroxy-1-methyl-3-(1H-1,2,4-triazol-1-yl)propyl]-4-thiazolyl]- [CAS] 182760-06-1	182760-06-1			Antifungal	Infection, meningitis, general
raxofelast	μŽ		Sn	4999350	Symptomatic antidiabetic	Nephropathy, diabetic
razoxane	2,6-Piperazinedione, 4,4'-(1-methyl-1,2- ethanediyl)bis- [CAS]	21416-67-1, 21416 87-5	89	1234935	Anticancer, other	Cancer, general
RC-529	Tetradecanoic acid (1R)-1-(2-((2-(2-deoxy 3-0-((3R)-1-oxo-3-((1-oxotetradecyl)amino-4-0-phosphono-ß-D-glucopyranosyl)oxy)ethyl)amino)-2-oxoethyl)dodecyl ester, compd. with N.Ndethylethanamine (1:1) [CAS]	216014-46-9	_		Immunostimulant, other	Vaccine adjunct
rebamipide		90098-04-7	DE	3324034	Antiulcer	

API Generic Name	API Chemical Name	CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
rebimastat	L-Valinamide, N-((2S)-2-mercapto-1-oxo-4- (3.4,4-trimethyl-2,5-dioxo-1- imidazolidinyl)butyl)-L-leucyl-N,3-dimethyl- ICASI	259188-38-0			Anticancer, other	Cancer, lung, non-small cell
		71620-89-8. 98769				
reboxetine	[CAS]		Sn	4229449	Antidepressant	Depression, general
Remacemide		128298-28-2				
remifentanil	1-Piperidinepropanoic acid, 4- (methoxycarbonyl)-4-((1- oxopropyl)phenylamino)-methyl ester- [CAS]	132539-07-2, 132875-61-7	Eb 3	383579	Analgesic, other	Pain, general
	Tricyclo[3.3.1.13,7]decane-2-carboxylic acid, 2-[[[1-(7-chloro-4-quinolinyl)-5-(2,6-					
reminertant	umemoxyphenyl)- m-pyrazor-3- yl]carbonyl]amino]- [CAS]	146362-70-1	G.	699438	Neuroleptic	Schizophrenia
Remoxipride		80125-14-0				
renzapride		109872-41-5 88721-77-1	<u>=</u>	58188885	Gastroprokinetic	Irritable bowel syndrome
repaglinide	Benzoic acid, 2-ethoxy 4-[2-[[3-methyl-1-[2] (1-piperidinyl)phenyl]butyl[amino]-2- oxoethyl]-, (S)- [CAS]	135062-02-1	8	WO 9300337	Antidiabetic	Diabetes, Type II
repertaxin L-lysine salt	2(R)-4-Isobutylphenylpropionyl methanesulfonamide L-lysine salt		OM	WO 0024710	Cardiovascular	Reperfusion injury
repinotan	4	144980-29-0 144980-77-8	SN .	5137901	Neuroprotective	Ischaemia, cerebral
repirinast	4H-Pyrano[3,2-c]quinoline-2-carboxylic acid, 5,6-dihydro-7,8-dimethyl-4,5-dioxo-, 3-methylbutyl ester [CAS]	73080-51-0	' SN	4298610	Antiasthma	
Reposal		3625-25-0				

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
	1H-Purine-2,6-dione, 7-[3-[[2-(3,5-dihydroxyphenyl)-2-					
reproterol	hydroxyethyljamino]propyl]-3,7-dihydro-1,3 3055-82-8 dimethyl- [CAS] 54063-54-6		뚠	M5969	Antiasthma	Asthma
Rescimetol		73573-42-9				
Rescinnamine		24815-24-5				
Reserpiline		131-02-2				
Reserpine		50-55-5				
Resibufogenin		465-39-4				
resiquimod	1H-Imidazo(4,5-c)quinoline-1- ethanol(ethoxymethyl)-Alpha, Alpha- dimethyl- [CAS]	144875-48-9	SN	5389640	Antiviral, other	Infection, hepatitis-C virus
Resorcinol		108-46-3			Transfer of the state of the st	
Reteplase		133652-38-7				
retigabine	Carbamic acid, (2-amino-4-(((4- fluorophenyl)methyl)amino)phenyl)-, ethyl ester [CAS]	150812-12-7	, B	4200259	Antiepileptic	Epilepsy, general
retinoic acid	Retinoic acid [CAS]	302-79-4			Formulation, parenteral, other	Cancer, leukaemia, acute myelogenous
Revimid			Sn	6281230	Anticancer, other	Cancer, myeloma
R-flurbiprofen	[1,1'-Biphenyl]-4-acetic acid, 2-fluoro- Alpha-methyl	5104-49-4			Anticancer, other	Cancer, prostate
Rho (D) Immune Globulin (Human)						
Rho-kinase inhibitors			0M	0156988	Antiasthma	Unspecified
ribavirin	1H-1,2,4-Triazole-3-carboxamide, 1-ts-D- ribofuranosyl- [CAS]	36791-04-5	Sn	4211771	Antiviral, other	Infection, haemorrhagic fever
Riboflavin		146-17-8				
ribostamycin	D-Streptamine, O-2,6-diamino-2,6-dideoxy-Apha-D-glucopyranosyl-(1-4)-O-[ß-D-ribofuranosyl-(1-5)]-2-deoxy- [CAS]	25546-65-0	68	1254883	Aminoglycoside antibiotic	Infection, general
Ricinoleic Acid		141-22-0				
Midogrei		110140-08-1				

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API Generic Name	API Chemical Name	CAS No.	Patent Referen	Patent Reference	Example of Therapeutic Use	Example of Indication
rifabutin	Rifamycin XIV, 1',4-didehydro-1-deoxy-1,4- dihydro-5'-(2-methylpropyl)-1-oxo-[CAS]	72559-06-9	SN	4219478	Antimycobacterial	Infection, Mycobacterium avium complex
nfalazil	Rifamycin VIII, 1',4-didehydro-1-deoxy-1,4-129791-92-0 dihydro-3'-hydroxy-5'-[4-(2-methylpropyi)-1-129791-94-2 piperazinyl]-1-oxo- [CAS]	129791-92-0 129791-94-2 133633-12-2	EP	366914	Antimycobacterial	Infection, tuberculosis
rifametane	Rifamycin, 3-[[[1- (diethylamino)ethylidene]hydrazono]methy IJ- [CAS]	94168-98-6	EP	119571	Antimycobacterial	Infection, general
Rifamide		2750-76-7				
rifampicin + trimethoprim	Rifamycin, 3-[[(4-methyl-1- piperazinyl)imino]methyl]-, mixt. with 5- [(3,4,5-trimethoxyphenyl)methyl]-2,4- pyrimidinediamine [CAS]	61498-94-0			Formulation, fixed-dose combinations	Infection, general
Rifampin		13292-46-1				
Rifamycin SV		6998-60-3				
rifapentine	Rifamycin, 3-[((4-cyclopentyl-1- piperazinyl)imino]methyl]- [CAS]	61379-65-5	DE	2608218	Antibiotic, other	Infection, tuberculosis
	Epoxypentadeca[1,11,13]trienimino)benzo furo[4,5-e]-pyrido[1,2-a]benzimidazole-1,15(2H)-dione, 25-(acetyloxy)-5,6,21,23-tetrahydroxy-27-methoxy-2,4,11,16,20,22,24,26-octamethyl-, [2S-(2R*,162,18E,20R*,22S*,23S*,24S*,25R*,					
rifaximin	[(]07, 712, 602	80621-81-4	ВВ	2079270	Antibiotic, other	Infection, GI tract
rifaximine cream	4-deoxy-4'-methylpyrido[1',2'- 1,2]imidoazo[5,4-c]rifamycin SV	80621-81-4	BE	888895	Formulation, dermal, topical	Infection, dermatological
Rilmazafone		99593-25-6				
rilmenidine	2-Oxazolamine, N-(dicyclopropylmethyl)- 4,5-dihydro- [CAS]	54187-04-1 54249-57-9	DE	2362754	Antihypertensive, adrenergic	Hypertension, general
riluzole	2-Benzothiazolamine, 6-(trifluoromethoxy)- [CAS]	1744-22-5	В	50551	Neuroprotective	Amyotrophic lateral sclerosis
Rimantadine		13392-28-4				-

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rimazolium	ım, 3- etrahydro-1,6-	28610-84-6 35615-72-6	DE BO	2461349	Analgesic, NSAID	
rimexolone	Androsta-1,4-dien-3-one,11-hydroxy-16,17. dimethyl-17-(1-oxopropyl)-, (118,16Alpha,178)- [CAS]	49697-38-3	30	2301317	Ophthalmological	Inflammation, ocular
Rimiterol		32953-89-2				
rimonabant	1H-Pyrazole-3-carboxamide, 5-(4- chlorophenyl)-1-(2,4-dichlorophenyl)-4- methyl-N-1-piperidiryl-, monohydrochloride [CAS]	158681-13-1	Sn	5624941	Anorectic/Antiobesity	Obesity
riodoxol	1,3-Benzenediol, 2,4,6-triiodo- [CAS]	19403-92-0	ns	3755251	Antiviral, other	
Rioprostil		77287-05-9				
risedronate	Phosphonic acid, (1-hydroxy-2-(3-pyridiny))ethylidene)bis-, monosodium salt 115436-72-1		<u>.</u>	304961	Osteoporosis treatment	Paget's disease
Risedronic Acid		105462-24-6				
risperidone	4H-Pyrido[1,2-a]pyrimidin-4-one, 3-[2-[4-(6-fluoro-1,2-benzisoxazol-3-yl)-1-piperidinyl]ethyl]-6,7,8,9-tetrahydro-2-methyl-[CAS]	106266-06-2	g.	196132	Neuroleptic, formulation, optimized, microencapsulate	Schizophrenia
Ritanserin		87051-43-2				
Ritipenem		84845-57-8				
ritodrine	Benzenemethanol, 4-hydroxy-Alpha-[1-[[2- (4-hydroxyphenyl)ethyl]amino]ethyl]- (R*,S*)- [CAS]	23239-51-2 26652-09-5	SN	3410944	Labour inhibitor	Labour, preterm
ritonavir	2,4,7,12-Tetraazatridecan-13-oic acid, 10-hydroxy-2-methyl-5-(1-methylethyl)-1-(2-(1-methylethyl)-4-thiazolyl)-3,6-dioxo-8,11-bis(phenylmethyl)-, 5-thiazolyl-methylester, (5S-(5R*,8R*,10R*,11R*))- [CAS]	155213-67-5	OM	9414436	Antiviral, anti-HIV	Infection, HIV/AIDS
Rituximab		174722-31-7				
rivastigmine	Carbamic acid, ethylmethyl-, 3-11- (dimethylamino)ethyllphenyl ester, (S)- [CAS]	123441-03-2 129101-54-8	DE	3805744	Cognition enhancer	Alzheimer's disease

API Generic Name	API Chemical Name	CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
rizatriptan	1H-Indole-3-ethanamine, N,N-dimethyl-5- (1H-1,2,4-triazol-1-ylmethyl)-, [CAS]	0 7 0	Д	497512		Migraine
RJR-2403	3-Buten-1-amine, N-methyl-4-(3-pyridinyl)- , (3E)-, (2E)-2-butenedioate (1:1) [CAS]	183288-99-5			Cognition enhancer	Alzheimer's disease
RNA Stealth Nucleosides	5-Formyluridine				Antiviral, other	Infection, hepatitis-C virus
Ro-0094889	2',3'-Di-O-acetyl-5'-vinylcytidine				Anticancer, antimetabolite	Cancer, general
Ro-61-1790	2-Pyridinesulfonamide, N-[6-(2-hydroxyethoxy)-5-(2-methoxyphenoxy)-2-[2-(1H-tetrazol-5-yl)-4-pyridinyl]-4-pyrimidinyl]-5-methyl- [CAS]	180384-56-9	MO	9619459	Cardiovascular	Haemorrhage, subarachnoid
Rociverine		53716-44-2				
rocuronium	Pyrrolidinium, 1- [(2ß,3Alpha,5Alpha,16ß,17ß)-17- (acetyloxy)-3-hydroxy-2-(4- morpholinyl)androstan-16-yl]-1-(2- propenyl)-, bromide- [CAS]	104855-17-6 104884-91-5 119302-91-9 143558-00-3	EP	287150	Muscle relaxant	Muscle spasm, general
rofecoxib	2(5H)-Furanone, 4-(4- (methylsulfonyl)phenyl)-3-phenyl- [CAS]	162011-90-7	SN	5474995	Analgesic, NSAID	Arthritis, osteo
roflumilast	Benzamide, 3-(cyclopropylmethoxy)-N- (3,5-dichloro-4-pyridinyl)-4- (difluoromethoxy)- [CAS]	162401-32-3	OW	9501338	COPD treatment	Chronic obstructive pulmonary disease
rokitamycin	Leucomycin V, 4B-butanoate 3B- propanoate [CAS]	74014-51-0	Sn	4242504	Macrolide antibiotic	Infection, general
Rolipram		61413-54-5				
Rolitetracycline		751-97-3				
Romurtide		78113-36-7				
Ronifibrate		42597-57-9				
ropinirole	2H-Indol-2-one, 4-[2-(dipropylamino)ethyl]-91374-20-8 1,3-dihydro-, monohydrochloride- [CAS] 91374-21-9		ЕР	266033	Antiparkinsonian	Parkinson's disease

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API Generic Name		CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
ropivacaine	2-Piperidinecarboxamide, N-(2,6- dimethylphenyl)-1-propyl-, (S)- [CAS]	84057-95-4 98717-15-8	EP	239710	Anaesthetic, local	Anaesthesia
Roquinimex		84088-42-6				
rosaprostol	Cyclopentaneheptanoic acid, 2-hexyl-5- hydroxy- [CAS]	56695-65-9	89	1523355	Prostaglandin	
Rosaramicin		35834-26-5				
Rose Bengal		632-68-8				
rosiglitazone	2,4-Thiazolidinedione, 5-((4-(2-(methyl-2-pyridinylamino)ethoxy)phenyl)methyl)-, (Z)-122320-73-4 2-butenedioate (1:1) [CAS]	122320-73-4 155141-29-0	SN	5002953	Antidiabetic	Diabetes, Type II
rosoxacin	3-Quinolinecarboxylic acid, 1-ethyl-1,4- dihydro-4-oxo-7-(4-pyridinyl)- [CAS]	40034-42-2	SN	3753993	Quinolone antibacterial	Infection, gonorrhoea
rostanofin	Tin, dichloro[ethyl 3.4.20,21-tetradehydro-4,9,14,19-tetraethyl-18,19-dihydro-3,8,13,18-tetramethyl-20-phorbinecarboxylato(2-)-kappaN23,kappaN24,kappaN25,kappaN25	11440A			Orbithalmological	Mocilar decoration
Ostapolini	of-; (cc-c-13)-[cvo]	14434-17-0			Opinitalinological	Maculal degeneration
rosuvastatin		147098-20-2	д	2648897	Hypolipaemic/Antiatherosclerosis	Hyperlipidaemia, general
rotigotine	1-Naphthalenol, 5,6,7,8-tetrahydro-6- [propy[2-(2-thienyl)ethyl]amino]-, (S)- [CAS]	99755-59-6	SN	4564628	Antiparkinsonian	Parkinson's disease
Rotraxate		92071-51-7				
Roxarsone		121-19-7				
roxatidine	Acetamide, 2-(acetyloxy)-N-[3-[3-(1-78628-28-1 piperidinylmethyl)phenoxy]propyl]-, [CAS] 93793-83-0	78628-28-1 93793-83-0	ЕР	24510	Antiulcer	Ulcer, gastric
- Pilipina	L-Alanine, 3-(((3-(4- (aminoiminomethyl)phenyl)-4,5-dihydro-5- isoxazolyl)acetyl)amino)-N- (butoxycarbonyl)-, methyl ester, (R)-,		<u> </u>			
loxinban Dowindal	[CAS]	1/6022-59-6	20	5849736	Antitrirombotic	Inrombosis, general
Koxindol		112192-04-8				

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
roxithromycin	me] [CAS]		ЕР	33255	Macrolide antibiotic	Infection, general
	Benzenepropanoic acid, ß-(((1,1-dimethylethoxy)carbonyl)amino)-Alpha-					
	hydroxy- (1S,2S,4S,7R,8aR,9aS,10aR,12aS,12bR)-					
	7,12a-bis(acetyloxy)-1-(benzoyloxy)- 1,3,47,8,9,9a,10,10a,12,12a,12b-					
	dodecahydro-2-hydroxy-5,13,13-trimetnyi- 8-oxo-2,6-methano-2H-cyclodeca(3,4)					
RPR-109881A	cyclopropa (4,5) benz (1,2-b) oxet-4-yl ester, dihydrate Alpha R, betaS [CAS]	192573-38-9			Anticancer, other	Cancer, lung, general
	[2-(2-methoxyphenyl)-1-oxo-2-propenyl]-9-					
	(4-methylphenyl)-, (3aR,4S,9S,9aR)-rel-					220000
RPR-130401	[CAS]	210282-69-2		9629390	Anticancer, orner	Calicel, general
R-roscovitine			NS	6316456	Anticancer, other	Cancer, lung, non-small cell
	N'N'-bis(3-hydroxyphenyl)pyridazine-3,6-					
RS-0406					Neuroprotective	Alzheimer's disease
RSR-13		131179-95-8				
Rubijervine		79-58-3				
neron	1H-Pyrano(3',4''6,7)indolizino(1,2-b)quinoline-3,14(4H,12H)-dione, 4-ethyl-4-bydroxy,-10-nitra- (S)_ (CAS)	91421-42-0	S	6485514	Anticancer, other	Cancer, pancreatic
igniecali			3			
	9H,18H-5,21:12,17- Dimethenodibenzo(e,k)pyrrolo(3,4-					
	h)(1,4,13)oxadiazacyclohexadecine-					
	18,20(19H)-dione,9- //dimethylamino)methyl)-6 7 10 11-					
ruboxistaurin	tetrahydro-, (S)- [CAS]	169939-94-0			Symptomatic antidiabetic	Retinopathy, diabetic
Rufinamide		106308-44-5				

API G neric Name	API Chemical Name	CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
rufloxacin	7H-Pyrido[1,2,3-de]-1,4-benzothiazine-6- 101363-10-4 carboxylic acid, 9-fluoro-2,3-dihydro-10-(4- 102052-47-1 methyl-1-piperazinyl)-7-oxo- [CAS]		EP	165375	Quinolone antibacterial	Infection, general
rupatadine	5H-Benzo[5,6]cyclohepta[1,2-b]pyridine, 8-chloro-6,11-dihydro-11-[1-[(5-methyl-3-pyridinyl)methyl]-4-piperidinylidene]-, trihydrochloride- [CAS]	156611-76-6	EP E	0577957	Antiallergic, non-asthma	Rhinitis, allergic, seasonal
Rutin		153-18-4				
RWJ-54428		189448-35-9 V	ow .	9713772	Cephalosporin, injectable	Infection, beta-lactamase resistant
S-0139	Olean-12-en-28-oic acid, 27-[[3-[5-hydroxy- 2-[(4-methoxy-1,4-dioxo-2- butenyl)amino]phenyl]-1-oxo-2- propenyl]oxy]-3-oxo- [CAS]	193969-54-9	wo	9727314	Cardiovascular	Ischaemia, cerebral
8-15535	Piperazine, 1-(2,3-dihydro-1,4-benzodioxin- 5-yl)-4-(2,3-dihydro-1H-inden-2-yl)- [CAS] 146998-34-7	146998-34-7			Cognition enhancer	Cognitive disorder, general
5-18886	1-Napthalenepropanoic acid, 6-(((4- chlorophenyl)sulfonyl)amino)-5,6,7,8- tetrahydro-2-methyl [CAS]	165537-73-5			Antithrombotic	Thrombosis, general
S-34730	7-chloro-6-sulfamoyl-2-(1H)-quinoleinone- 3-phosphonic acid				Neuroprotective	Unspecified
8-3578	78-[2-(5-amino-1,2,4-thiadiazol-3-yl)-2(2)- ethoxyiminoacetamidoJ-3-(1-(N- methylaminopropyl)-1H-imidazo[4,5- b]pyridinium-4-methyl-3-cephem-4- carboxylate monosulfate				Cephalosporin, injectable	Infection, general

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API Generic Name	API Chemical Name	CAS No.	Refer	nce	Example of Therapeutic Use	Example of Indication
	2-{N-[4-(4- Chlorophenylsulfonylamino)butyl]-N-(3-[(4- isopropylthiazol-2- yl)methyloxy]benzyl]sulfamoyl]benzoic					
S-36496	acid				Antiasthma	Asthma
S-36527	2-[N-[4-(4- Chlorophenylsulfonylamino)butyl]-N-(3-[2- (4-cyclobutylthiazol-2- yl)ethyl]benzyl]sulfamoyl}benzoic acid				Antiasthma	Asthma
	(1R,2R,3S,5S)-7-[2-(5- Hydroxybenzothiophen-3-ylcarboxamido)- 6,6-dimethylbicyclo[3.1.1]hept-3yl]-5(Z)- heptenoic acid					
5-5/51					Antiallergic, non-astrima	Allergy, general
S-8510	Imidazo[4,5-d]pyrano[4,3-b]pyridine, 1,6,7,9-tetrahydro-2-(3-isoxazolyl)-, phosphate (1:1) [CAS]	151466-23-8	EP	556008	Cognition enhancer	Alzheimer's disease
	2-Naphthalenecarboxylic acid, 1-(3,4-dimethoxyphenyl)-3-(3-ethyl-1-oxopentyl)-4-bydroxy-6 7 8-trimethoxy-, methyl ester					
S-8921	[CAS]	151165-96-7	OM M	9308155	Hypolipaemic/Antiatherosclerosis	Hypercholesterolaemia
Sabcomeline		159912-53-5				
Sabeluzole		104383-17-7				
S-Adenosylmethionine		29908-03-0				
safinamide	(S)-(+)-2-[4-(3- fluorobenzyloxy)benzylamino]propanamid e methansulfonate	133865-89-1	AU	711309	Antiepileptic	Epilepsy, general
Salacetamide		487-48-9				
Salazosulfadimidine		2315-8-4				
salbutamol	1,3-Benzenedimethanol,Alpha1-[[(1,1- dimethylethyl)amino]methyl]-4-hydroxy- [CAS]	18559-94-9	ЕP	Formula 451745 powder	ution, inhalable, topical, dry	Asthma
Salicin		138-52-3				
Salicyl Alcohol		90-01-7				

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API Generic Name	API Chemical Name	_	Refe	Reference	Example of Therapeutic Use	Example of Indication
Salicylamide		65-45-2				
Salicylamide O-Acetic		25395-22-6				
Acid						
Salicylanilide		87-17-2				
Salicylic Acid		69-72-7				
Salicylsulfuric Acid		89-45-2				
Salinazid		495-84-1				
	1.3-Benzenedimethanol, 4-hydroxy-Alpha1 [[[6-(4-phenylbutoxy)]hexyl]aminojmethyl].	89365-50-4				
salmeterol	[CAS]		8 8	9006775	Antiasthma	Asthma
Salsalate		552-94-3				
Salverine		6376-26-7				
Samarium 153Sm		154427-83-5				
Lexidronam						
	L-Tyrosine, N2-(methylsulfonyl)-L-lysyl-1- [(2S)-3-amino-2-					
sampatrilat	carboxypropyl]cyclopentanecarbonyl- [CAS]	129981-36-8	品	358398	Antihypertensive, renin system	Hypertension, general
Sancycline		808-26-4				
Saperconazole		110588-57-3				
sapropterin	4(1H)-Pteridinone, 2-amino-6-(1,2-dihydroxypropyl)-5,6,7,8-tetrahydro-,dihydrochloride, [6R-[6R*(1R*,2S*)]]-[CAS]	69056-38-8 62989- 33-7	<u>a</u>	191335	Antidepressant	Hyperphenylalaninaemia
	Butanediamide, N1-[3-[3-[[(1,1-dimethylethyl)amino]carbonyl]octahydro-					
	Z(1 H)-isoquinolinyl]-z-nydroxy-1- (phenylmethyl)propyl]-2-[(2- quinolinylcarbonyl]aminol-, [3S-					
saquinavir	[2[1R*(R*),2S*],3Alpha,4aß,8aß]- [CAS]	127779-20-8	Ш	432695	Antiviral, anti-HIV	Infection, HIV/AIDS
Saralasin		34273-10-4				

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API Generic Name	API Chemical Name	CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
saredulant	Benzamide, N-[4-[4-(acetylamino)-4-phenyl-1-piperidinyl]-2-(3,4-dichlorophenyl)butyl]-N-methyl-, (S)- [CAS] 142001-63-6		EP ,	474561	Antiasthma	Asthma
sarizotan	3-Pyridinemethanamine, N-((3,4-dihydro- 2H-1-benzopyran-2-yl)methyl)-5-(4- fluorophenyl)- [CAS]	177975-08-5			Antiparkinsonian	Parkinson's disease
sarpogrelate	Butanedioic acid, mono[2-(dimethylamino)-1-[[2-[2-(3-methyl]phenoxy]methyl]ethyl] ester [CAS]	125926-17-2	4	398326	Antithrombotic	
Satigrel		111753-73-2				
satraplatin	Platinum, bis(acetato- O)amminedichloro(cyclohexanamine)-, (OC-6-43)- [CAS]	129580-63-8	<u></u>	328274	Anticancer, alkylating	Cancer, prostate
Satumomab		144058-40-2	-			
SB-237376	N-[3-[[2-(3,4- dimethoxyphenyl)ethyl]amino]propyl]-4- nitrobenzamide, HCl				Antiarrhythmic	Fibrillation, atrial
SB-238039	(5(-2-phenylamino-4-pyrimidinyl)-4-)(4- fluorophenyl)-1-(4-piperidinyl)imidazole				Anticancer, other	Cancer, general
SB-277011	trans-N-[4-[2-(6-Cyano-1,2,3,4-tetrahydroisoquinolin-2-yl)ethyl]cyclohexyl]-4-quinolinecarboxamide				Neuroleptic	Schizophrenia
Scarlet Red		85-83-6				
SCH-00013	Benzonitrile, 4-[2-[3.6-dihydro-4-(1,4,5,6-tetrahydro-6-oxo-3-pyridazinyl)-1(2H)-pyridinyl]-1(CAS)	217963-18-3	EP (618204	Cardiostimulant	Heart failure
Sch-23863	(2-[10,11-Dihydro-5-ethoxy-5H-dibenzo [a.d] cyclohepten-S-yl]-N, N-dimethyl- ethanamine				Immunosuppressant	Inflammation, general

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
Sch-57790	1-Piperazineacetonitrile, 4-cyclohexyl- alpha-[4-[(S)-(4- methoxyphenyl)sulfiny]phenyl]- [CAS]	221660-80-6			Cognition enhancer	Alzheimer's disease
Sch-63390	7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine, 2-(2-furanyl)-7-(3-phenylpropyl)- [CAS]	174648-45-4			Antiparkinsonian	Parkinson's disease
Scillarenin		465-22-5				
Scopolamine		51-34-3				
Scopolamine N-Oxide		97-75-6				
scopolamine	Benzeneacetic acid, Alpha- (hydroxymethyl)-, 9-methyl-3-oxa-9- azatricyclo[3.3.1.02,4]non-7-yl ester, [7(S)- (1Alpha,28,48,5Alpha,78)]- [CAS]	51-34-3	, su	4262003	Formulation, transdermal, other	Nausea and vomiting, general
SCS technology			Sn	6046188	Antiasthma	Unspecified
secalciferol	9,10-Secocholesta-5,7,10(19)-triene- 3,24,25-triol, (38,5Z,7E,24R)- [CAS]	55721-11-4	ם	301167	Osteoporosis treatment	Osteodystrophy
secnidazole	1H-Imidazòle-1-ethanol, Alpha,2-dimethyl- 5-nitro- [CAS]	3366-95-8	H.	M3270	Protozoacide	Infection, trichomoniasis
Secobarbital		309-43-3				
selegiline	Benzeneethanamine, N,Alpha-dimethyl-N- 2-propynyl-, (R)- [CAS]	14611-51-9	89	1153578	Antiparkinsonian	
Selenomethionine		1464-42-2				
Sematilide		101526-83-4				
Semotiadil		116476-13-2				
seocalcitol	1,3-Cyclohexanediol, 5-((1-(6-ethyl-6-hydroxy-1-methyl-2,4-octadienyl)octahydro 7a-methyl-4H-inden-4-ylidene)ethylidene)-4-methylene-, (1R-(1Alpha(1R*,2E,4E),3aß,4E(1R*,3S*,5Z),7aAlpha))- [CAS]	134404-52-7	WO	9100855	Anticancer, other	Cancer, liver
Sepimostat		103926-64-3				
seratrodast	Benzeneheptanoic acid, zeta-(2,4,5- trimethyl-3,6-dioxo-1,4-cyclohexadien-1-yl) 103187-07-1 , (+/-)- [CAS]		ËБ	232089	Antiasthma	Asthma

API Generic Name	API Chemical Name	CAS No	Patent Refere	ماره	Example of Theraneutic Hea	Example of Indication
sertaconazole	probenzo[b]thien- prophenyl)ethyl]-	99592-32-2	e.			nfection dermatological
	10 14 15 15 14 15	= =====================================	Т			
sertindole	2-Imidazolidinone, 1-[2-[4-[5-cnloro-1-[4- fluoropheny])-1H-indol-3-yl]-1- piperidiny[]ethy]- [CAS]	106516-24-9	<u>a</u>	392959	Neuroleptic	Schizophrenia
	1-Naphthalenamine, 4-(3,4-	79559-97-0				
sertraline	dichlorophenyl)-1,2,3,4-tetrahydro-N- methyl-, (13-cis)- [CAS]	79617-96-2 79617-97-3	<u>a</u>	30081	Antidepressant	Depression, general
Setastine		64294-95-7				
	2-Propen-1-amine polymer with					
covalamor	oxirane, hydrochloride	152751-57-0 52757-05-6	<u>u</u>	5406545	Irchaira	Renal failure
severalite		02/0/-90-0		0490040		Venal validie
sevoflurane	Propane, 1,1,1,3,3,3-hexafluoro-2- (fluoromethoxy)- [CAS]	28523-86-6	끰	1954268	Anaesthetic, inhalation	Anaesthesia
	2H-1,4-Benzothiazine-2-acetic acid, 3,4-					
SG-210	dihydro-3-oxo-4-((4,5,7-trifluro-2- benzothiazolyl)methyl)- [CAS]	143162-65-6			Symptomatic antidiabetic	Neuropathy, diabetic
sibultamine	Cyclobutanemethanamine, 1-(4- chlorophenyl)-N.N-dimethyl-Alpha-(2- methyloroxyl-TCAS)	106650-56-0 84485-00-7	g.	2098602	Anorectic/Antiobesity	Obesity
	(da .d.					(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
siccanin	(4aS- (4aAjpha,6aAlpha,11bAlpha,13aR*,13bAlp ha))-1,2,3,4,4a,5,6a,11b,13b-decahydro- 4,4,6a,9-tetramethyl-13H- benzo[a]furo[2,3,4-mn]xanthen-11-ol	22733-60-4	e	37003548	Antifungal	
13	Piperazine, 1-((3-(4,7-dihydro-1-methyl-7-oxo-3-propyl-1H-pyrazolo(4,3-d)pyrimidin-5-yl)-4-ethoxyphenyl)sulfonyl)-4-methyl, 2-hydroxy-1,2,3-propanetricarboxylate- (1:1)	171599-83-0				
sildenafil	[cAs]	139/55-83-2	2	9428902	Maie sexuai dysrunction	Impotence
	1H-Indole-7-carboxamide, 2,3-dihydro-1- (3-hydroxypropyl)-5-[(2R)-2-[[2-[2-(2,2,2- trifluoroethoxy)phenoxy]ethyl]amino]propyl	L 17 CF0000				
Silodosin	J- [CAS]	160970-54-7	J.	6/9009	Urological	Dysuna
Silver Lactate		128-00-7				

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
Silver Picrate		146-84-9				
silver sulfadiazine	N-2-pyrimidinylsulfanilamide monosilver salt	22199-08-2 68-35-9			Anti-infective, other	Infection, general
Simetride		154-82-5				
Simfibrate		14929-11-4				
	Butanoic acid, 2,2-dimethyl-, 1,2,3,7,8,8a-hexahydro-3,7-dimethyl-8-[2-(tetrahydro-4-hydroxy-6-oxo-2H-pyran-2-yl)ethyl]-1-naphthalenyl ester, [1S-[1Alpha,3Alpha,78,88(2S*,4S*),8a8]]-	00000				Hyporlinidaemia ganeral
simvastatin	[CAS]	79902-63-9	OS	4444/84	nypolipaemic/Antiatheroscierosis	nyperiipidaeriila, gerieral
Sincalide		25126-32-3				
Sintropium Bromide		79467-19-9				
Sisomicin		32385-11-8				
	3-Quinolinecarboxylic acid, 7-(7-amino-5-azaspiro[2.4]hept-5-yl)-8-chloro-6-fluoro-1-(2-fluorocyclopropyl)-1,4-dihydro-4-oxo-	4070E4 40 0		6077	Oniversity ordinates	Infontion genera
sitatioxacın	[1R-[1Alpna(S^),ZAlpna]]-, nydrate	12/254-12-0	F.	34 1483	Quinolone anubacterial	illection, general
sitamaquine	1,6-Hexanediamine, N,N-diethyl-N-(6- methoxy-4-methyl-8-quinolinyl)- [CAS]	5330-29-0 57695-04-2			Protozoacide	Infection, leishmaniasis
	N-(4-Chloro-3-methyl-5-isoxazolyl)-2-[[4,5- (methylenedioxy)-o-toly]acetyl]-3- thiophenesulfonamide	0 70 70 70 70 70 70 70 70 70 70 70 70 70	9	27070	Antinopological Applications of the Applicatio	Livertension pulmonen
sitaxsentan		104030-34-0	3	2404022	Anunypenensive, oniei	Hypertension, pointoirary
sivelestat	Glycine, N-[2-[[[4-(2,2-dimethyl-1- oxopropoxy)phenyl]sulfonyl]amino]benzoyl]- [CAS]	127373-66-4	EP	347168	Respiratory	Systemic inflammatory response syndrome
SJA-6017	Butanamide, 2-[[(4- fluorophenyl)sulfonyl]amino]-N-[(1S)-1- formyl-3-methylbutyl.)3-methyl-, (2S)- [CAS]	190274-53-4	EP	771565	Ophthalmological	Cataract
SL-65-1498	6-Fluoro-9-methyl-2-phenyl-4-pyrrolidin-1- ylcarbonyl)-2,9-dihydro-1H-pyrido[3,4- b]indole-1-one		EP	920709	Anxiolytic	Anxiety, general

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API Chemical Name	CAS No.	Patent Reference	Example of Therapeutic Use	Example of Indication
-0XO			Antihypertensive, diurelic	Hypertension, general
2(3H)-Benzoxazolone, 7-(4-methyl-1- piperazinyl)-, monohydrochloride	269718-83-4		Antiparkinsonian	Parkinson's disease
Samarate(5-)-153Sm, (((1,2- ethanediyibis(nitrilobis(methylene)))tetraki s(phosphonato))(8-)- N.N.OP.OP', OP''')-, pentasodium, (OC-6-21)- [CAS]	160369-78-8		Analgesic, other	Pain, cancer
,	4727-40-6			
N-(Aminoiminomethyl)-11-chloro-5,6,7,8-tetrahydro-8-oxo-4H-pyrrolo[3,2,1-kl]1]benzazocine-2-carboxamide monomethanesulfonate monohydrate	_		Antianginal	Angina, general
(4S)-4,7,11-triethyl-3,4,12,14-tetrahydro-4,10-dihydroxy-3,14-dioxo-1H-pyrano[3',4':6,7]indolizino[1,2-b]quindin-9-yl	100286-90-6		Formulation, optimized, liposomes	Cancer, colorectal
((+)-methyl (4S)-3-[[(3-{4- 3- (acetylamino)phenyl]-1- piperidinyl}propyl)amino] carbonyl]-4-(3,4- difluorophenyl)-6-(methoxymethyl)-2-oxo- 1,2,3,4-tetrahydro-5-pyrimidinecarboxylate hydrochloride)			Anxiolytic	Anxiety, general
2-Naphthalenecarboxamide, N-[2-[4- (diphenylmethoxy)-1-piperidiny]ethy]]-3- hydroxy-5-(3-pyridinylmethoxy)- [CAS]	143964-80-1		Formulation, inhalable, topical	Asthma
그 모든 글 등을 하는 그 모든 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그	n, n, 17,8- 310- 100- 100- 100- 100- 100- 100- 100	n, n, 17,8- in-9- in-9- in-9- in-9- in-9- in-9- in-9- in-9- in-9- in-9- in-9- in-9- in-9- in-9- in-9- in-9- in-9- in-9- in-9- in-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	n, n, 17,8- in-9- in-9- in-9- in-9- in-9- in-9- in-9- in-9- in-9- in-9- in-9- in-9- in-9- in-9- in-9- in-9- in-9- in-9- in-9- in-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	Itraki hose-78-8 (3.4- oxo-ylate 100286-90-1 143964-80-1 143964-80-1 143964-80-1 153-4 143964-80-1 153-4

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API Generic Name	API Chemical Name	CAS No.	Patent Reference	nt ence	Example of Therapeutic Use	Example of Indication
soblidotin	L-valinamide, N.N-dimethyl-L-valyl-N-[2-methoxy-2-methyl-3-oxo-3-[(2-phenylethyl)amino]propyl]-1-pyrrolidinyl]-1-(2-methylpropyl)-4-oxobutyl]-N-methyl- [2S-[[1R*(R*),2S*],2R*(1S*,2S*)]]- [CAS]	149606-27-9	0 M	9303054		Cancer, lung, non-small cell
Sobrerol		498-71-5	-			
sobuzoxane	Carbonic acid. 1,2-ethanediylbis[(2,6-dioxo 4,1-piperazinediyl)methylene]bis(2- methylpropyl) ester [CAS]	98631-95-9	EP 1	140327	Anticancer, other	Cancer, lymphoma, T-cell
Sodium Arsanilate		127-85-5				
Sodium Arsphenamine		1936-28-3				
Sodium Chloride						
Sodium Dibunate		14992-59-7				
Sodium Folate		6484-89-5				
Sodium		149-44-0				
Formaldehydesulfoxylat e		•				
Sodium Glycerophosphate		1334-74-3				
Sodium Hyaluronate						
Sodium lodomethamate		519-26-6				
Sodium Nitrite		7632-00-0				
Sodium Nitroprusside		14402-89-2				
sodium oxybate	Butyric acid, 4-hydroxy monosodium salt [CAS]	502-85-2			Psychostimulant	Narcolepsy
Sodium Ph nolsulfonate		1300-51-2				
sodium phenylbutyrate	Butyric acid, 4-phenyl-, sodium salt- [CAS] 1716-12-7	1716-12-7			Formulation, other	Hyperammonaemia

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
	Sodium phosphate monobasic					
sodium phosphate	mononydrate + sodium phosphate dibasic anhydrous		S	6162464	Formulation, oral, other	Surgery adjunct
	3ß-hydroxy-5-androsten-17-one(sodium		1			
sodium prasterone sulfate	sulfate dihydrate)		Ш	380036	Formulation, mucosal, topical	Labour, induction
Sodium Propionate		137-40-6				
	cia, 2-hydroxy-, monosodium	,				
sodium salicylate	salt [CAS]	54-21-7			Formulation, oral, solubility-ennanced	rain, generai
Sodium Tetradecyl Sulfate		139-88-8				
	Acetic acid, [5-[(3-methyl-2-butenyl)oxy]-2-				-	
sofalcone	[3-[4-[(3-methyl-2-butenyl)oxy]pnenyl]-1- oxo-2-propenyl]phenoxy]- [CAS]	64506-49-6	GB	1523241	Antiulcer	
Solasulfone		133-65-3				
	Butanedioic acid compd with (1S)-(3R)-1-					
	azabicyclo(2.2.2)oct-3-yl 3,4-dlnydro-1- phenyl-2(1H)-isoquinolinecarboxylate (1:1)					
solifenacin	[cAS]	242478-38-2			Urological	Overactive bladder
	D-Glucitol, hexa-3-pyridinecarboxylate		1	0.00		
Sorbinicate	[CAS]		뀖	883352	Hypolipaemic/Antiatheroscierosis	
Sorbitol		50-70-4				
Sorivudine		77181-69-2				
	Methanesulfonamide, N-[4-[1-hydroxy-2-	3930-20-9				
sotalol	[(1-methylethyl)amino]ethyl]phenyl]- [CAS] 959-24-0	959-24-0			Antiarrhythmic	
Soterenol		13642-52-9				
Sozoiodolic Acid		554-71-2				
spaglumic acid	L-Glütamic acid, N-(N-acetyl-L-Alpha- aspartyl)- [CAS]	3106-85-2 80619-64-3			Formulation, mucosal, topical	Conjunctivitis
enarflovacin	3-Quinolinecarboxylic acid, 5-amino-1- cyclopropyl-7-(3,5-dimethyl-1-piperazinyl)- 6 8-difunna-1 4-dihydro-4-oya cis- [CAS]	110871-86-8	Q.	221463	Ouinnlone antibacterial	Infection, respiratory tract, general
Sparteine		90-39-1	- 1	3		
Spanenie		1-00-00				

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
	Candicin D, 18-decarboxy-40-demetryl-3,7-dideoxo-N3-((dimethylamino)acetyl)-18-(((2-(dimethylamino)ethyl)amino)carbonyl)-3,7-dihydroxy-N47-methyl-5-oxo cyclic 15,19-hemiacetal, comp with L-ascorbic acid					
SPA-S-843	(1:2) [CAS]	202748-83-2	Sn	5298495	Antifungal	Infection, fungal, general
Spasmolytol		25333-96-4				
	2(1H)-Pyrimidinone, 4-amino-1-(2- (hydroxymethyl)-1,3-oxathiolan-4-yl- (2R-					
SPD-754	-(20	160707-69-7	Sn	6228860	Antiviral, anti-HIV	Infection, HIV/AIDS
Spectinomycin		1695-77-8				
SPI-339	4-[3-(4-Oxo-4,5,6,7-tetrahydroindol- yl)propionylamino]benzoic acid ethyl ester				Cognition enhancer	Alzheimer's disease
Spiperone		749-02-0				
	1,4-Dithia-7-azaspiro[4.4]nonane-8-carboxylic acid, 7-[2-[[1-(ethoxycarbonyl)-3-phenylpropyllamino]-1-oxopropyl], [8S-					
spirapril	[7[R*(R*)],8R*]]- [CAS]	83647-97-6	EP	50800	Antihypertensive, renin system	Hypertension, general
Spirogermanium		41992-23-8				
spironolactone	Pregn-4-ene-21-carboxylic acid, 7- (acetylthio)-17-hydroxy-3-oxo-,Gamma- lactone,(7Alpha,17Alpha)- [CAS]	52-01-7	EP	124147	Formulation, dermal, topical	Acne
SR-121463	Benzamide, N-(1,1-dimethylethyl)-4-[[cis-5]ethoxy-4-[2-(4-morpholinyl)ethoxy]-2-oxospiro[cyclohexane-1,3-[3H]indol]-1'(2H)-yl]sulfonyl]-3-methoxy- [CAS]	185913-78-4	WO	9715556	Cardiostimulant	Heart failure
SR-144190	Morpholine, 4-benzoyl-2-(3,4- difluorophenyl)-2-[2-[4- [[(dimethylamino)carbonyl]amino]-4-phenyl- 1-piperidinyl]ethyl]-, (2R)- [CAS]	201152-86-5	ow W	WO 9623787	Anxiolytic	Anxiety, general

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
SR-146131	-[[[4-(4-chloro- :- 5,7-dimethyl-	Ģ	WO	2		Obesity
SR-271425	N-[1-[2-(diethylamino)ethylamino]-7- methoxy-9-oxo-9H-thioxanthen-4- ylmethyl]formamide				Anticancer, alkylating	Cancer, general
SR-27897	1H-Indole-1-acetic acid, 2-[[[4-(2- chlorophenyl)-2-thiazoly]amino]carbonyl]- [CAS]	136381-85-6	EP	432040	Anticancer, other	Cancer, pancreatic
SR-31747	Cyclohexanamine, N-(3-(3-chloro-4- cyclohexylphenyl)-2-propenyl)-N-ethyl-, hydrochloride, (Z)- [CAS]	132173-07-0	ΕP	376850	Anticancer, other	Cancer, myeloma
SR-58611	Acetic acid, [[(7S)-7-[[(2R)-2-(3- chlorophenyl)-2-hydroxyethyl]amino]- 5,6,7,8-tetrahydro-2-naphthalenyl]oxy]-, ethyl ester, hydrochloride [CAS]	121524-09-2	EP	303546	GI inflammatory/bowel disorders	Irritable bowel syndrome
SS732			SN	5385900	Formulation, mucosal, topical	Infection, ocular
SS-750	(R)-(-)-2-(2,4-diffuorophenyl)-1- (ethylsulfonyl)-1,1-diffuoro-3-(1H-1,2,4- triazol-1-yl)-2-propanol		SN	6083968	Antifungal	Infection, fungal, general
ß-alethine	Propanamide, N, N'(dithiodi-2,1- ethanediyl)bis(3-amino)- [CAS]	646-08-2			Anticancer, immunological	Cancer, myeloma
	(2S,4R)-1-[5-chloro-1-[(2,4-dimethoxyphenyl)sulfonyl]-3-(2-methoxy-phenyl)-2-oxo-2,3-dihydro-1H-indol-3-yl]-4-hydroxy-N,N-dimethyl-2-pyrrolidine carboxamide					
SSR-149415			8	0155130	Antidepressant	Depression, general
SSR-180575	2-(7-chloro-5-methyl-4-oxo-3-phenyl-4,5- dihydro-3H-pyridazino[4,5-6]indol-1-yl)- N,N-dimethylacetamide				Neuroprotective	Unspecified

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
(3)	(3-Exo)-8-benzoyi-N-[[(2S)-7-chloro-2,3-dihydro-1,4-benzodioxin-2-yl]methyl]-8-azabicyclo[3.2.1]octane-3-methanamine					
SSR-181507	5		Sn	6221879	Neuroleptic	Schizophrenia
(S)	(5aS,8S,10aR)-5a,6,9,10-tetrahydro, 7H,11H-8,10a- methanopyrido[2,3:5,6]pyrano[2,3-					
SSR-591813					Dependence treatment	Addiction, nicotine
SST-101		87-33-2			Formulation, transdermal, other	Angina, general
(-) tri SSY-726 bu	(-)-(R)-3-Methyl-3-(methylsulfonyl)-1-(1,2,4 triazol-1-yl)-2-[4-(trifluoromethyl)phenyl]-2- butanol		Sn.	5147886	Antifungal	Infection, fungal, general
-1 ST-200	1-Propanaminium, 2-(acetyloxy)-3-carboxy N,N,N-trimethyl-, chloride, (R)- [CAS]	5080-50-2	3	3015635	Cognition enhancer	Dementia, senile, general
stachyflin			OM OM	9711947	Antiviral, other	Infection, influenza virus
Stallimycin		636-47-5				
Stampidine			Sn	6350736	Antiviral, anti-HIV	Infection, HIV/AIDS
Stannous Pyrophosphate		15578-26-4				
<u>)</u>	(OC-6-13)-Dihydrogen dichloro[7,12-diethyl-3,8,13,17-tetramethyl-21H,23H-porphine-2,18-dipropanoato(4-)-N21,N23,N24 stannate(2-)					
stannsoporfin	•	106344-20-1			Hepatoprotective	Hyperbilirubinaemia
Stanolone		521-18-6				
Stanozolol		10418-03-8				
		(2'H form); 302-96-5 (1'H				
		form)				
Staph aureus ther			1	6376652	Genomics-based drug discovery	Infection, MRSA
STAT4 inhibitors			0M	9629341	Immunosuppressant	Unspecified
14 inhibitors				9629341	immuno Immuno	suppressant

API Generic Name	API Chemical Name	S S S S S S S S S S S S S S S S S S S	Patent Poforo	Patent Poforence	Example of Therapolitic Hea	Evample of Indication
		200		ופווכם	Lyampic of The abende Ose	Lyallipic of muration
stavudine	Thymidine, 2',3'-didehydro-3'-deoxy- [CAS] 3056-17-5	3056-17-5	品	501511	Antiviral, anti-HIV	Infection, HIV/AIDS
Stenbolone		5197-58-0				
stepronin	Glycine, N-[1-oxo-2-[(2- thienylcarbonyl)thio]propyl]- [CAS]	72324-18-6	SN	4242354	Antitussive	Cough
Stibocaptate		27279-76-1				
Stibophen		15489-16-4				
Stilbamidine		122-06-5				
stiripentol	1-Penten-3-ol, 1-(1,3-benzodioxol-5-yl)-4,4 dimethyl- [CAS]	49763-96-4			Antiepileptic	Epilepsy, general
Streptodornase		37340-82-2				
Streptomycin		57-92-1				
Streptonicozid		5667-71-0				
Streptonigrin		3930-19-6				
Streptozocin		18883-66-4				
strontium ranelate	3-Thiopheneacetic acid, 5- [bis(carboxymethyl)amino]-2-carboxy-4- cyano-, strontium salt (1:2)- [CAS]	135459-87-9	<u>a</u>	415850	Osteoporosis treatment	Osteoporosis
strontium-89 chloride	Strontium chloride (89SrCl2) [CAS]	38270-90-5			Analgesic, other	Pain, cancer
Succimer		304-55-2				
Succinimide		123-56-8				
Succinylcholine		55-94-7				
Succinylcholine		71-27-2				
Succinylsulfathiazole		116-43-8				
Succisulfone		5934-14-5				
Suclofenide		30279-49-3				
sucralfate	Aluminium, hexadeca-µ- hydroxytetracosahydroxy(µ8-(1,3,4,6-tetra- O-sulfo-ß-D-fructofuranosyl-Alpha-D- glucopyranoside tetrakis(hydrogen sulfato)(8-)))hexadeca- [CAS]	54182-58-0	<u>ط</u>	58208233	Antiulcer, Formulation, oral, other	Ulcer, general
sufentanil	Propanamide, N-[4-(methoxymethyl)-1-[2- (2-thienyl)ethyl]-4-piperidinyl]-N-phenyl- [CAS]	56030-54-7	Sn	3998834	Analgesic, other, formulation implant	Pain, general

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	4-Thia-1-azabicyclo[3.2.0]heptane-2-		200	פונפ	Evalliple of Hetapeune Ose	Lyanipie of mucation
sulbactam	carboxylic acid, 3,3-dimethyl-7-oxo-, 4,4-dioxide, (2S-cis)- ICASI	68373-14-8	 	2000138	Antibiotic, other	Infection, general
+ ampicillin		117060-71-6	- 1	4234579	Antibiotic, other	Infection, general
sulbenicillin	4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-7-oxo-6-[(phenylsulfoacetyl)amino]-, [2S-[ZAlpha,5Alpha,6ß(S¹)]]- [CAS]	28002-18-8 41744-40-5	GB	1289358	Penicillin, injectable	Infection, pseudomonal
Sulbentine		350-12-9				
sulbutiamine	l, 2-methyl-, dithiobis[3-[1- ethyl-5- thyljformylamino]ethylidene]- /l]ester [CAS]	3286-46-2 67-16-3			Neurological	Unspecified
sulconazole	1H-Imidazole, 1-[2-[[(4- chlorophenyl)methyl]thio]-2-(2,4- dichlorophenyl)ethyl]-, (+/-)- [CAS]	61318-90-9 61318-91-0	Sn	4055652	Antifungal	Infection, fungal, general
Sulesomab		167747-19-5				
Sulfabenzamide		127-71-9				
Sulfacetamide		144-80-9				
Sulfachlorpyridazine		80-32-0				
Sulfachrysoidine		485-41-6				
Sulfacytine		17784-12-2				
Sulfadiazine		68-35-9				
Sulfadicramide		115-68-4				
Sulfadimethoxine		122-11-2				
Sulfadoxine		2447-57-6				
Sulfaethidole		94-19-9				
Sulfaguanidine		27-67-0				
Sulfaguanole		27031-08-9				
Sulfalene		152-47-6				
Sulfaloxic Acid		14376-16-0				
Sulfamerazine		127-79-7				
Sulfameter		651-06-9				
Sulfamethazine		57-68-1				

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me.	API Chemical Name	CAS NO.	кетегепсе	Example of Therapeutic Use	Example of Indication
Sulfamethizole		144-82-1			
Sulfamethomidine		3772-76-7			
Sulfamethoxazole		723-46-6			
Sulfamethoxypyridazine		80-35-3			
Sulfametrole		32909-92-5			
Sulfamidochrysoidine		103-12-8			
Sulfamoxole		729-99-7			
Sulfanilamide		63-74-1			
Sulfanilic Acid		121-57-3			
Sulfanilylurea		547-44-4			
Sulfaperine		599-88-2			
Sulfaphenazole		526-08-9			
Sulfaproxyline		116-42-7			
Sulfapyrazine		116-44-9			
Sulfapyridine		144-83-2			
Sulfarside		1134-98-1			
Sulfarsphenamine		618-82-6			
	Benzoic acid, 2-hydroxy-5-[[4-[(2-				
suitasalazine	pyridinylamino)sultonyljphenyljazoj- [CAS] 599-79-1	599-79-1		Formulation, oral, enteric-coated	Arthritis, rheumatoid
Sulfasomizole	The state of the s	632-00-8			
Sulfasymazine		1984-94-7			
Sulfathiazole		72-14-0			
Sulfathiourea		515-49-1			
Sulfinalol		66264-77-5			
Sulfinpyrazone		5-96-2			
Sulfiram		9-90-96			
Sulfisomidine		515-64-0			
Sulfisoxazole		127-69-5			
Sulfobromophthalein		71-67-0			
Sulfonethylmethane		76-20-0			
Sulfoniazide		3691-81-4			

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
Sulfonmethane		115-24-2				
Sulforidazine		14759-06-9				
Sulfoxone		144-75-2				
	cis-5-fluoro-2-methyl-1-[(p- methylsulfinyl)benzylidene]indene-3-acetic					
sulindac	acid	38194-50-2	SO	3725548	Anti-inflammatory	Inflammation, general
Sulisatin		54935-03-4				
Sulisobenzone		4065-45-6				
Sulmarin		29334-07-4				
Sulmazole		73384-60-8				
Suloctidil		54063-56-8				
Sulphan Blue		129-17-9				
sulpiride	Benzamide, 5-(aminosulfony)-N-[(1-ethyl-2-pyrrolidinyl)methyl]-2-methoxy-[CAS]	15676-16-1		_	Alimentary/Metabolic, other	
sulprostane	5-Heptenamide, 7-[3-hydroxy-2-(3-hydroxy 4-phenoxy-1-butenyl)-5-oxocyclopentyl]-N- (methylsulfonyl)-, [1R- [1Alpha(Z),2ß(1E,3R*),3Alpha]]- [CAS]	60325-46-4	Sn	4024179	Prostaglandin	Abortion
	4-Thia-1-azabicyclo(3.2.0)heptane-2- carboxylic acid, 6- ((aminophenylacetyl)amino)-3,3-dimethyl- 7-oxo-, (((3,3-dimethyl-7-oxo-4-thia-1- azabicyclo(3.2.0)hept-2- yl)carbonyl)oxy)methyl ester, S, S-dioxide,					
sultamicillin		117060-71-6 76497-13-7	GB	2044255	Penicillin, oral	Infection, general
Sulthiame		61-56-3				
eilhonrida	Benzamide, N-{(1-ethyl-2- pyrrolidinyl)methyl]-5-(ethylsulfonyl)-2- methovy-ICASI	53583-70-2	ŭ.	M5916	Neurolentic	Psychosis, general
Sulfocilio Acid		55505-15-2 57775-06-5				
Sultosilic Acid		C-07-C///C				

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API Generic Name	API Chemical Name	CAS No.	Refe	nce	Example of Therapeutic Use	Example of Indication
sumanirole	4H-Imidazo[4,5,1-ij]quinolin-2(1H)-one, 5,6 dihydro-5-(methylamino)-, (5R)-, (2Z)-2-butenedioate (1:1) [CAS]	179386-44-8	0M	9514020	Antiparkinsonian	Parkinson's disease
sumatriplan	1H-Indole-5-methanesulfonamide, 3-[2- (dimethylamino)ethyl]-N-methyl-, butanedioate (1:1)- [CAS]	103628-46-2 103628-48-4	G.	147107	Antimigraine	Migraine
SUN-N8075	1-(4-amino-2,3,5-trimethylphenoxy)-3-{4-[4 (4-fluorobenzyl)phenyl piperazin-1- yl}propan-2(s)-ol dimethanesulfonate				Neuroprotective	Infarction, cerebral
suplatast	Sulfonium, [3-[[4-(3-ethoxy-2-hydroxypropoxy)]phenyl]amino]-3-oxopropy]qimethyl-, [CAS]	94055-76-2	- dr	59167564	Antiasthma	Asthma
Suprofen		40828-46-4				
Suramin		129-46-4				
surfactant TA	Beractant [CAS]	108778-82-1	WO	WO 9117766	Lung Surfactant	Respiratory distress syndrome, general
Suriclone		53813-83-5				
Suxibuzone		27470-51-5				
SYM-1010			SN	5830998	Antiepileptic	Epilepsy, general
SYM-2081	()- [CAS]	31137-74-3			Analgesic, other	Pain, general
SYM-2207	4-(Aminophenyl)-1-methyl-6,7- (methylenedioxy)-N-butyl-1,2- dihydrophthalazine-2-carboxamide				Neuroprotective	Ischaemia, cerebral
Symclosene		87-90-1				
Syn-1253	1-cyclopropyl-6-fluoro-8-methoxy-7-[3-(4-methyl-1,2,3-triazol-1-yl)pyrrolidin-1-yl]-4-oxo-1,4-dihydroquinoline 3-carboxylic acid				Quinolone antibacterial	Infection, peritoneum
Syn-2190	1-Azetidinesulfonic acid, 3-[[(2E)-[[(1,4-dihydro-1,5-dihydroxy-4-oxo-2-pyridinyl)methoxy imino]-2-thienylacetyl]amino]-2-methyl-4-oxo, (2S,3S)- [CAS]	214963-75-4	WO	9847895	Antibacterial, other	Infection, general

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Syn-2869	zol-3-one, 4-(4-((1R,ZR)-2-henyl)-2-hydroxy-1-methyl-3-zol-1-yl)propyl)-1-nenyl)-2,4-dihydro-2((4-oxy)phenyl)methyl)- [CAS]	210562-98-4	Sn	6153616		infection, Aspergillus
Synephrine Syrogingonine		94-07-5 84-36-6				
1-1095	1-Propanone, 3-(5-benzofuranyl)-1-(2- hydroxy-6-((6-O-methoxycarbonyl)-3-D- glucopyranosyl)oxy)-4-methylphenyl- [CAS]	209746-59-8	ЕЪ	850948	Antidiabetic	Diabetes, general
7-1249	L-Phenylalaninamide. N-acetyl-L- tryptophyl-L-glutaminyl-L-Alpha-glutamyl-L- tryptophyl-L-Alpha-glutamyl-L-glutaminyl-L- lysyl-L-isoleucyl-L-threonyl-L-alanyl-L- glutaminyl-L-alanyl-L-glutaminyl-L- isoleucyl-L-glutaminyl-L- Alpha-glutamyl-L-iysyl-L-Alpha-glutamyl-L- asparaginyl-L-iysyl-L-Alpha-glutamyl-L- leucyl-L-glutaminyl-L-lysyl-L-leucyl-L-Alpha aspartyl-L-lysyl-L-hypyl-L-ananyl-L-seryl- L-leucyl-L-trytophyl-L-Alpha-glutamyl-L- tryptophyl- [CAS]	251562-00-2	OW	9959615	Antiviral, anti-HIV	Infection, HIV/AIDS
1-3912	1-cyclopropyl-8-methyl-7-[5-methyl-6- (methylamino)-3-pyridinyl]-4-oxo-1,4- dihydro-3-quinolinecarboxylic acid				Quinolone antibacterial	Infection, dermatological
T-588	Benzo(b)thiophene-5-methanol, Alpha-((2- (diethylamino)ethoxy)methyl)-, hydrochloride, (R)- [CAS]	142935-03-3	8	565965	Cognition enhancer	Alzheimer's disease
T-67 T-82	Benzenesulfonamide, 2,3,4,5,6- pentafluoro-N-(3-fluoro-4-methoxyphenyl)- [CAS]	195533-53-0	SN	5190951	Anticancer, other Cognition enhancer	Cancer, liver Alzheimer's disease
70-1			3			

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API Generic Name		CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
TA-2005		137888-11-0	sn	4579854	Antiasthma	Asthma
TA-2005	2(1H)-Quinolinone, 8-hydroxy-5-[1-hydroxy 2-[[2-(4-methoxyphenyl)-1- methylethyljaminojethyl]- monohydrochloride, [R-(R*,R*)]- [CAS]		OM OM	189480	Formulation, inhalable, solution	Asthma
TA-993	1,5-Benzothiazepin-4(5H)-one, 3- (acetyloxy)-5-[2-(dimethylamino)ethyl]-2,3- dihydro-8-methyl-2-(4-methylphenyl)-, (2R,3R)-rel-(-)-, (2Z)-2-butenedioate [CAS] 122024-98-0		ط ا	01045376	Antithrombotic	Peripheral vascular disease
tabimorelin	(R)-Alpha-[(E)-5-Amino-N,5-dimethyl-2- hexenamido]-N-methyl-N-[(R)-Alpha- (methylcarbamoyl)phenethyl]-2- napthalenepropionamide	170851-70-4 193079-69-5			Releasing hormones	Growth hormone deficiency
tacalcitol	esta-5,7,10(19)-triene- Npha,38,52,7E,24R)- [CAS]		EP .	129003	Antipsoriasis	Keratosis
tacedinaline	Benzamide, 4-(acetylamino)-N-(2- aminophenyl)- [CAS]	2	H	3613571	Anticancer, other	Cancer, pancreatic
tacrine	1684-40- 9-Acridinamine, 1,2,3,4-tetrahydro- [CAS] 321-64-2	8	<u></u>	332147	Cognition enhancer	Alzheimer's disease
Tacrolimus		104987-11-3				
tadalafil	Pyrazino(1,2:1,6)pyrido(3,4-b)indole1,4- dione, 6-(1,3-benzodioxol-5-yl)- 2,3,6,7,12,12a-hexahydro-2-methyl-, (6R- trans) [CAS]	171596-29-5	SN	6143746	Male sexual dysfunction	Impotence
tafenoquine	1,4-Pentanediamine, N4-[2,6-dimethoxy-4-methyl-5-[3-(trifluoromethyl)phenoxy]-8-quinolinyl]- [CAS]	106635-80-7 106635-81-8 80065-55-0	Sn	4617394	Antimalarial	Infection, malaria
tafluposide		179067-42-6	OM	9612727	Anticancer, other	Cancer, general
TAK-375	(S)-N-[2-(1,6,7,8-Tetrahydro-2H-indeno- [5,4-b]furan-8-yl)]propionamide				Hypnotic/Sedative	Insomnia

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
	2-[6-[[3-[4-(Diphenylmethoxy)-piperidino]imidazo[1,2-b]pyridazin-2-yl-2-					
TAK-427	memypropionic acid dinydrate				Antipruritic/inflamm, allergic	Eczema, atopic
	(E)-4-{4-[5-Methyl-2-phenyl-1,3-oxazol-4- yl)methoxy]benzyloxyimino}-4-					
TAK-559	prienyloutyric acid				Antidiabetic	Diabetes, general
Taka-Diastase		9001-19-8				
	7H-1,3-Dioxolo[4,5- h][2,3]benzodiazepine,7-acetyl-5-(4-					
talampanel	aminophenyl)-8,9-dihydro-8-methyl-,(8R)- [CAS]	161832-65-1	SN	5639751	Antiepileptic	Epilepsy, general
Talampicillin		47747-56-8				
	N-[[(2S,3S)-18-Carboxy-2-(2-carboxy-ethyl)-13-ethyl-2,3-dihydro-3,7,12,17-tetramethyl-8-vinyl porphyrin-20-yl]acetyl]-					
talaporfin	L-aspartic acid	220201-34-3			Radio/chemosensitizer	Cancer, lung, general
Talastine		16188-61-7				
Talbutal		115-44-6				
Talinolol		57460-41-0				
talipexole	4H-Thiazolo[4,5-d]azepin-2-amine, 5,6,7,8-101626-70-4 tetrahydro-6-(2-propenyl)- [CAS]		ЭG	3503963	Antiparkinsonian	Schizophrenia
talnetant	4-Quinolinecarboxamide, 3-hydroxy-2- phenyI-N-[(1S)-1-phenylpropyl]- [CAS]	174636-32-9	WO	9532948	Gl inflammatory/bowel disorders	Irritable bowel syndrome
talniflumate	3-Pyridinecarboxylic acid, 2-[[3- (trifluoromethyl)phenyl]amino]-, 1,3- dihydro-3-oxo-1-isobenzofuranyl ester [CAS]	66898-62-2	BE	858864	Anti-inflammatory	Inflammation, ocular
taltirelin	L-Prolinamide, N-{(hexahydro-1-methyl-2,6 dioxo-4-pyrimidinyl)carbonyl]-L-histidyl-, (S)- [CAS]	103300-74-9	ط	61033197	Neurological	Dyskinesia, general
tamoxifen	Ethanamine, 2-[4-(1,2-diphenyl-1- butenyl)phenoxyJ-N.N-dimethyl-, (Z)- [CAS]	10540-29-1	Sn	4536516	Anticancer, hormonal	

API Generic Name	API Chemical Name	CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
tamsulosin	Benzenesulfonamide, 5-[2-[[2-(2-ethoxyphenoxy)ethyljamino]propyl]-2-methoxy-, (R)- [CAS]	106133-20-4 80223-99-0	EP	34432		Benign prostatic hyperplasia
tandospirone	4,7-Methano-1H-isoindole-1,3(2H)-dione, hexahydro-2-[4-[4-(2-pyrimidinyl)-1-piperazinyl]butyl]-, (3aAlpha,48,78,7aAlpha)-, 2-hydroxy-1,2,3-propanetricarboxylate (1:1) [CAS]	112457-95-1 87760-53-0	EP	82402	Anxiolytic	Anxiety, general
Tannoform Taprostene		9010-29-1 108945-35-3				
tariquidar	3-Quinolinecarboxamide, N-[2-[[[4-[2-(3,4-dihydro-6,7-dimethoxy-2(1H)-isoquinolinyl)ethyl]phenyl[amino]carbonyl]-4,5-dimethoxyphenyl]-[CAS]		WO	9817648	Radio/chemosensitizer	Cancer, lung, non-small cell
TAS-103	0-[[2-(Dimethyl-amino)ethyl]amino]-3- hydroxy-7H-indeno[2,1-c]quinolin-7-one dihydrochloride	174634-09-4	WO	9532187	Anticancer, other	Cancer, lung, non-small ceil
Tasosartan Tampopolio Acid		145733-36-4				
Taurolidine		19388-87-5				
tazanolast	Acetic acid, oxo[[3-(1H-tetrazol-5- yl)phenyl]amino]-, butyl ester [CAS]	82989-25-1	SN	4778816	Antiasthma	
tazarotene	3-Pyridinecarboxylic acid, 6-[(3,4-dihydro-4,4-dimethyl-2H-1-benzothiopyran-6-yl)ethynyl]-, ethyl ester [CAS]	118292-40-3	EP	284288	Antipsoriasis	Psoriasis
Tazobactam		89786-04-9				
tazobactam + piperacillin			д	58225091	58225091 Antibiotic, other	Infection, general
TBC-3711		374680-51-0			Cardiovascular	Heart failure
TCH-346					Neuroprotective	Amyotrophic lateral sclerosis
tebipenem	5-Hexenoic acid, 4-hydroxy-, polymer with 4-ethenyl-1H-imidazole [CAS]	82200-24-6			Beta-lactam antibiotic	Infection, streptococcal

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API Generic Name	al Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
tecadenoson	furanyl}-	204512-90-3	N N	9808855	Antiarrhythmic	Tachycardia, supraventricular
tecastemizole	1H-Benzimidazol-2-amine, 1-((4- fluorophenyl)methyl)-N-4-piperidinyl- [CAS]	75970-99-9	Sn	4219559	Antiallergic, non-asthma	Rhinitis, allergic, seasonal
Technetium 99mTc Bicisate		121281-41-2				
Technetium 99mTc Mertiatide		125224-05-7; 104348-91-6				
Technetium 99mTc Sestamibi		109581-73-9				
Technetium 99mTc Teboroxime		104716-22-5				
Teclothiazide		4267-5-4				
Teclozan		5560-78-1				
tedisamil	Spiro[cyclopentane-1,9'- [3,7]diazabicyclo[3.3.1]nonane], 3,7'- bis(cyclopropylmethyl)- [CAS]	90961-53-8	G.	102833	Antiarrhythmic	Fibrillation, atrial
Teflurane		124-72-1				
tegafur	2,4(1H,3H)-Pyrimidinedione, 5-fluoro-1- (tetrahydro-2-furanyl)- [CAS]	17902-23-7	æ	1168391	Anticancer, antimetabolite	Cancer, general
tegafur + uracil	2.4(1H,3H)-Pyrimidinedione, 5-fluoro-1- (tetrahydro-2-furanyl)-, mixt. with 2,4(1H,3H)-pyrimidinedione- [CAS]	74578-38-4	Б	224885	Anticancer, antimetabolite	Cancer, breast
tegaserod	Hydrazinecarboximidamide, 2-((5-methoxy- 1H-indol-3-y))methylene)-N-pentyl-, (Z)-2- butenedioate [CAS]	189188-57-6 145158-71-0			GI inflammatory/bowel disorders	Irritable bowel syndrome
Teicoplanin		61036-64-4				
telbivudine	ß-L-2'-deoxythymidine	3424-98-4			Antiviral, other	Infection, hepatitis-B virus
Telenzepine		9-06-08808				

API Generic Name	API Chemical Name	CAS No.	Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
telithromycin	3-De((2,6-dideoxy-3-C-methyl-3-C-methyl-Alpha-L-ribo-hexopyranosyl)oxy)-11,12-dideoxy-6-C-methyl-3-oxo-12,11-(oxycarbonyl((4-(4-(3-pyridinyl)-1H-imidazol-1-yl)butyl)imino))-[CAS]	191114-48-4	<u>п</u>	29089	Macrolide antibiotic	Infection, respiratory tract, general
telmesteine	3,4-Thiazolidinedicarboxylic acid, 3-ethyl ester, (R)- [CAS]	122946-43-4			COPD treatment	Bronchitis, chronic
telmisartan	(1,1'-Biphenyl)-2-carboxylic acid, 4'-((1,4-dimethyl-2'-propyl(2,6'-bi-1H-benzimidazol)-1'-yl)methyl)- [CAS]	144701-48-4	a a	502314	Antihypertensive, renin system	Hypertension, general
telomerase inhibs			0M	9941261	Anticancer, other	Cancer, general
lemazepam	yl-5-	846-50-4	Sn	3197467	Hypnotic/Sedative	Insomnia
temiverine	Benzeneacetic acid, Alpha-cyclohexyl- Alpha-hydroxy, 4-(diethylamino)-1,1- dimethyl-2-butynyl ester, [CAS]	129927-33-9	GB 2	2222828	Urological	Pollakisuria
temocapril	1,4-Thiazepine-4(5H)-acetic acid, 6-[[1- (ethoxycarbonyl)-3- phenylpropyl]amino]tetrahydro-5-oxo-2-(2- 110221-44-8 thienyl)-, [2S-[2A]pha,68(R*)]]- [CAS]		sn.	4495188	Antihypertensive, renin system	Hypertension, general
Temocillin		66148-78-5				
temoporfin			a	337601	Radio/chemosensitizer	Cancer, head and neck
temozolomide	midazo[5,1-d]-1,2,3,5-tetrazine-8- carboxamide, 3,4-dihydro-3-methyl-4-oxo- [CAS]	85622-93-1	DE	3231255	Anticancer, alkylating	Cancer, brain, general
lenatoprazole	1H-Imidazo(4,5-b)pyridine, 5-methoxy-2- (((4-methoxy-3,5-dimethyl-2- pyridinyl)methyl)sulfinyl)- [CAS]	113712-98-4	Sn	4808596	Antiulcer	Ulcer, gastric
Tenecteplase		191588-94-0				
Tenidap		120210-48-2				

API Generic Name	API Chemical Name	CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
teniposide	Furo[3',4':6,7]naphtho[2,3-d]-1,3-dioxol-6(3aH)-one, 5,8,8a,9-tetrahydro-5-(4-hydroxy-3,5-dimethoxyphenyl)-9-[[4,6-O-(2-thienylmethylene]-16-D-glucopyranosyl]oxy]. [5R-[5Alpha,58Α,98(R*)]]- [CAS]		3	3524844	Anticancer, other	Cancer, lymphoma, non- Hodgkin's
tenofovir	Phosphonic acid, (((1R)-2-(6-amino-9H-purin-9-yl)-1-methylethoxy)methyl)- [CAS]	147127-20-6			Antiviral, anti-HIV	Infection, HIV/AIDS
tenofovir disoproxil	2.4.6.8-tetraoxa-5-phosphanonanedioic acid, 5-(2-(6-amino-9H-purin-9-yl)-1- methylethoxymethyl) bis(1- methylethyl)ester, 5-oxide (R)-, (E)-2- butenedioate	202138-50-9			Antiviral, anti-HIV	Infection, HIV/AIDS
Tenonitrozole		3810-35-3				
tenoxicam	ZH-Thieno[2,3-e]-1,2-thiazine-3. carboxamide, 4-hydroxy-2-methyl-N-2- pyridinyl-, 1,1-dioxide [CAS]	59804-37-4	GB 1	1519811	Antiarthritic, other	
Tenuazonic Acid		610-88-8				
teprenone	1	3796-63-2 6809-52-5			Antiulcer	
terazosin	(4-amino-6,7-dimethoxy-2- I-[(tetrahydro-2- yl]- [CAS]	63074-08-8 63590-64-7 70024-40-7	US 4	4112097	Antihypertensive, adrenergic	Hypertension, general
terbinafine	1-Naphthalenemethanamine, N-(6,6- dimethyl-2-hepten-4-ynyl)-N-methyl-, (E)- [CAS]	78628-80-5 91161-71-6	EP 2	24587	Antifungal	Infection, dermatological
terbutaline	1,3-Benzenediol, 5-[2-[(1,1- dimethylethyl)amino]-1-hydroxyethyl]- [CAS]	23031-25-6	-		Formulation, mucosal, topical	Dysmenorrhoea
terconazole	Piperazine, 1-[4-[[2-(2,4-dichlorophenyl)-2- (1H-1,2,4-triazol-1-ylmethyl)-1,3-dioxolan- 4-yl]methoxy]phenyl]-4-(1-methylethyl)-, cis- [CAS]	67915-31-5	US 4	4358449	Antifungal	Vaginitis

API Generic Name	API Chemical Name	CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
terfenadine	1-Piperidinebutanol, Alpha-[4-(1,1-dimethylethyl)phenyl]-4-(hydroxydiphenylmethyl)- [CAS]	50679-08-8	Sn	3878217	Antiallergic, non-asthma	
terguride	Urea, N,N-diethyl-N-[(8Alpha)-6- methylergolin-8-yl]- [CAS]	37686-84-3	БP	159522	Antiprolactin	Hyperprolactinaemia
Terlipressin		14636-12-5				
Terodiline		15793-40-5				
Terofenamate		29098-15-5				
Terpin		80-53-5				
tertatolol	2-Propanol, 1-[(3,4-dihydro-2H-1-benzothiopyran-8-yl)oxy]-3-[(1,1-33580-30-2dimethylethyl)amino]-, hydrochloride, (+\-)- 83688-84-0 34784-[CAS]		GB	1308191	Antihypertensive, adrenergic	Hypertension, general
tert-Pentyl Alcohol		75-85-4				
	(2S)-2-ethoxy-3-[4-[2-[4- ((methylsulfony))oxy]pheny]]ethoxy]phenyl] pronanoic acid					
tesagiitazar					Antidiabetic	Diabetes, Type II
tesmilifene	Ethanamine, N,N-Diethyl-2-(4- (phenylmethyl)phenoxy)- [CAS]	92981-78-7			Radio/chemosensitizer	Cancer, breast
Testolactone		968-93-4				
Testosterone	androst-4-en-3-one, 17-hydroxy-, (178) - ICASI	58-22-0 5949- 44-0			Formulation, transdermal, systemic	Hormone replacement therapy
tetrabamate		-47-5	当	2748794		Addiction, alcohol
Tetrabarbital		76-23-3				
Tetrabenazine		58-46-8				
Tetracaine		136-47-0				
Tetrachloroethylene		127-18-4				
tetracine	Benzoic acid, 4-(butylamino)-, 2- (dimethylamino)ethyl ester [CAS]	94-24-6			Formulation, transdermal, systemic	Pain, general
tetracycline	2-Naphthacenecarboxamide, 4- (dimethylamino)-1,4,4a,5,5a,6,11,12a- octahydro-3,6,10,12,12a-pentahydroxy-6- methyl-1,11-dioxo-, [4S- (4Alpha,4aAlpha,5aAlpha,6ß,12aAlpha)]- [CAS]	60-54-8			Formulation, oral, other	Infection, oral

API Generic Name	API Chemical Name	CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
Tetrahydrozoline		84-22-0				
Tetrandrine		518-34-3				
T trantoin		52094-70-9				
Tetrazepam		10379-14-3				
Tetrofosmin		127502-06-1				
letroxoprim	2,4-Pyrimidinediamine, 5-[[3,5-dimethoxy-53808-87-0 4-(2-methoxyethoxy)phenyl]methyl]-[CAS] 74515-38-1	53808-87-0 74515-38-1	NS NS	3992379	Trimethoprim and analogues	Infection, general
Tevenel®		4302-95-8				
tezacitabine	Cytidine, 2'-deoxy-2'-(fluoromethylene)-, (2E)- [CAS]	130306-02-4	SN	5616702	Anticancer, antimetabolite	Cancer, colorectal
	2-Pyridinesulfonamide, N-(6-(2-					
tezosentan	inyoroxyetroxy -5-12-metroxy priemoxy -2- (2-(1H-tetrazol-5-yl)-4-pyridinyl)-4- pyrimidinyl)-5-(1-metrylethyl)- [CAS]	180384-57-0			Cardiostimulant	Oedema, general
the little	3(2H)-dione, 2-(2,6-dioxo-3	EO 3E 1				Infaction dermatological
Thomas		96 12 4				הפניניו, מפווומניום
Thenalume		00-12-4				
Theobramine		91-/9-2 83 67-0				
Theofibrate		54504-70-0				
	lione, 3,7-dihydro-1,3-	58-55-9			T	
tneopnyiline	almetnyi- [CAS]	5967-84-U			Formulation, modified-release, other	Astnma
Thiabendazole		148-79-8				
Thiacetazone		104-06-3				
	Carbamic acid, [4-(1-methylethyl)phenyl]. (3aS,8aS)-3,3a,8,8a-tetrahydro-3a,8-					
thiacymserine	dımetnyı-zri-meno(z, 3-ajındol-3-yı ester [CAS]	145209-51-4			Cognition enhancer	Alzheimer's disease
Thialbarbital		467-36-7				
Thiamine		59-43-8				
Thiamine		154-87-0				
Thiamine		67-16-3				
Thiamiprine		5581-52-2				

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Ari Gelleric Mallie	Ari Chemical Name	CAS NO.	жегелсе	Example of Inerapeutic Use	Example of Indication
Thiamphenicol		15318-45-3			
Thiamylal		77-27-0			
Thiazesim		5845-26-1			
Thiazinamium		58-34-4			
Thiazolinobutazone		54749-86-9			
Thiazolsulfone		473-30-3			
Thibenzazoline		6028-35-9			
Thiethylperazine		1420-55-9			
Thimerfonate		5964-24-9			
Thimerosal		54-64-8			
Thiobarbital		77-32-7			
Thiobutabarbital		2095-57-0			
Thiocarbamizine		91-71-4			
Thiocarbarsone		120-02-5			
Thiocolchicine		2730-71-4			
Thiocresol		26445-03-4			
Thioctic Acid		62-46-4			
Thioglycerol		96-27-5			
Thioguanine		154-42-7			
Thioimreg	L-Thiotyrosinyl-glycinyl-glycine			Anticancer, immunological	Cancer, general
Thiopental		71-73-8			
Thiopropazate		84-06-0			
Thioproperazine		316-81-4			
Thioridazine		50-52-2			
Thiothixene		5591-45-7			
Thiovir	Thiophosphonoformic acid			Antiviral, anti-HIV	Infection, HIV/AIDS
Thiphenamil		82-99-5			
Thiram		137-26-8			
Thonzylamine		63-56-9			
Thozalinone		655-05-0			
Thromboplastin		9035-58-9			

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API Generic Name	API Chemical Name		26	Kererence	Example of Inerapeutic Use	Example of Indication
Thurfyl Nicotinate		70-19-9				
thymectacin			SO	6245750	Anticancer, other	Cancer, colorectal
Thymol		89-83-8				
Thymopentin		69558-55-0				
Thymyl N-		578-20-1				
Isoamylcarbamate						
Thyropropic Acid		51-26-3				
Thyroxine		51-48-9				
Tiadenol		6964-20-1				
tiagabine	3-Piperidinecarboxylic acid, 1-[4,4-bis(3-methyl-2-thienyl)-3-butenyl]-, (R)- [CAS]	115103-54-3	No.	WO 8700171	Antiepileptic	Epilepsy, general
Tiamenidine		31428-61-2				
thanentine	Heptanoic acid, 7-[(3-chloro-6,11-dihydro-6-methyldibenzo[c,f][1,2]thiazepin-11-	72797-41-2 66981-	g.	1269551	Antidenressant	Dentession neperal
tianride	Benzamide, N-[2-(diethylamino)ethyl]-2- methovv-5-(methyls ilfonyl)- ICASI	2.32.9	3 8	1394563	Neurolentic	
onula	2. Thiophopeacetic acid 5. bonzovi. Alpha-		3	2001-001		
tiaprofenic acid	methyl- [CAS]	33005-95-7	GB	1331505	Antiarthritic, other	
Tiaramide		32527-55-2				
tiazofurin	4-Thiazolecarboxamide, 2-ß-D- ribofuranosyl- [CAS]	60084-10-8	EP	54432	Anticancer, antimetabolite	Cancer, leukaemia, chronic myelogenous
Tibezonium		54663-47-7				
tibolone	19-Norpregn-5(10)-en-20-yn-3-one, 17- hydroxy-7-methyl-, (7Alpha,17Alpha)- [CAS]	5630-53-5	ЕР	389035	Menopausal disorders	Hormone replacement therapy
Ticarcillin		34787-01-4				
ticlopidine	Thieno[3,2-c]pyridine, 5-[(2- chlorophenyl)methyl]-4,5,6,7-tetrahydro- [CAS]	53885-35-1 55142-85-3	GB	1554424	Antithrombotic	
Ticrynafen		40180-04-9			The state of the s	
tiemonium	4-(3-hydroxy-3-phenyl-3-thien-2-yl-propyl)- 6252-92-2 144-12- 4-methylmorpholinium	6252-92-2 144-12- 7			Antispasmodic	

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API Generic Name	API Chemical Name	CAS No.	Kei	Keterence	Example of Inerapeutic Use	Example of Indication
	2-Naphthacenecarboxamide, 4,7-					
	his/dimethylamino)-9-[II[[1 1-					
	dimothylothylyaminologotyllominol					
	uniteuryleurylyaminojacetyljaminoj-					
	1,4,4a,5,5a,6,11,12a-octanydro-					
	3,10,12,12a-tetrahydroxy-1,11-dioxo-,					
tigecycline	(4S,4aS,5aR,12aS)- [CAS]	220620-09-7	EP	582829	Tetracycline	Infection, general
Tigemonam		102507-71-1				
		0 00 200				
Tigloidine		495-83-0				
Tilidine		20380-58-9				
Tilisolol		85136-71-6				
	Benzenesulfonamide, 4-(4-cyclohexyl-2-					
tilmacoxib	methyl-5-oxazolyl)-2-fluoro- [CAS]	180200-68-4	<u> </u>	9619463	Alimentary/Metabolic, other	Polyp
tiludronic acid	Phosphonic acid, [[(4-chorphenelbis- [CAS]	89987-06-4	EP	100718	Osteoporosis treatment	Paget's disease
Timentin		86482-18-0			Antibiotic other	Infection, general
		20120				
timepidium	Piperdinium, 3-(di-2-thienyimethylene)-5- methoxy-1,1-dimethyl-, [CAS]	35035-05-3	g _B	1358446	Antispasmodic	
Timiperone		57648-21-2				
timolol	(-)-1-(t-butylamino)-3-[(4-morpholino-1,2,5-thiadiazol-3-yl)oxy]-2-propanolmaleate (1:1) salt	26839-75-8 26921-17-5	GB	1253709	Antihypertensive, adrenergic, antiglaucoma	
Timonacic		444-27-9				
Tin Ethyl Etiopurpurin		113471-15-1				
tinazoline	1H-Indole, 3-[(4,5-dihydro-1H-imidazol-2-y)thio]- [CAS]	62882-99-9	S	3376311	Vasodilator, peripheral	
Tinidazole		19387-91-8				
Tinoridine		24237-54-5				
Tiocarlide		910-86-1				
Tioclomarol		22619-35-8				
i	1H-Imidazole, 1-[2-[(2-chloro-3-thienyl)methoxy]-2-(2.4-dichlorophamilathur) [CAS]	61675-64-7	<u> </u>	4062066	Antifinos	Infection finas appera
ilocoli azole		2-C 1-660CO	3	20073004		550
tiopronin	Giycine, N-(∡-mercapto-1-oxopropyt)- [CAS]	1953-02-2	S)	3246025	Urological	Homocystinuria
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API Generic Name	API Chemical Name	CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
tiotropium	3-Oxa-9-azoniatricyclo(3.3.1.02,4)nonane, 7-((hydroxydi-2-thienylacetyl)oxy)-9,9-dimethyl-, [CAS]	136310-93-5	G H	418716	COPD treatment	Chronic obstructive pulmonary disease
Tioxolone		4991-65-5				
Tipepidine		5169-78-8				
tipifamib	e, 6-(amino(4- -methyl-1H-imidazol-5- chlorophenyl)-1-methyl	192185-68-5 192185-72-1	WO	9716443	Anticancer, other	Cancer, breast
tipranavir	xo-6(R)-(2- dihydro-2H- 5- sulfonamide	174484-41-4			Antiviral, anti-HIV	Infection, HIV/AIDS
moizium	2H-Quinolizinium, 3-(di-2- thienylmethylene)octahydro-5-methyl-, [CAS]		NS .	4205074	Antispasmodic	
tirapazamine	1,2,4-Benzotriazin-3-amine, 1,4-dioxide- [CAS]	20028-80-2 27314-97-2 5424-06-6	DE	2204574	Radio/chemosensitizer	Cancer, lung, non-small cell
Tiratricol		51-24-1				
tiniazad	Pregna-1,4,9(11)-triene-3,20-dione, 21-[4- 110101-65-0 (2,6-di-1-pyrrolidinyl-4-pyrimidinyl)-1- piperazinyl[-16-methyl-, (16Alpha)-, [CAS]		WO	8701706	Neuroprotective	Haemorrhage, subarachnoid
tirofiban	L-Tyrosine, N-(butylsulfonyl)-0-[4-(4- piperidinyl)butyl]-, [CAS]	142373-60-2 144494-65-5	EP	478363	Antithrombotic	Infarction, myocardial
tiropramide	Benzenepropanamide, Alpha- (benzoylamino)-4-[2-(diethylamino)ethoxy]- N,N-dipropyl-, (+\-)- [CAS]	55837-29-1	DE	2503992	Antispasmodic	Muscle spasm, general
Titanium Sulfate		13825-74-6				
tixocortol	Pregn-4-ene-3,20-dione, 21-[(2,2-dimethyl- 1-oxopropyl)thio]-11,17-dihydroxy-, (11ß)- [CAS] [CAS]	,	GB	1475795	Antiallergic, non-asthma, mucosal, topical	Rhinitis, allergic, general

API Generic Name	API Chemical Name	CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
tizanidine	, 5-chloro-N- [CAS]	51322-75-9	88	1429926	Muscle relaxant	Spastic paralysis
TLK-199	Glycine, L-Gamma-glutamyl-S- (phenylmethyl)-L-cysteinyl-2-phenyl-, diethyl ester, (2R)- [CAS]	168682-53-9	Sn	5679643	Immunostimulant, other	Myelodysplastic syndrome
TLK-286	Glycine, L-Gamma-glutamyl-3-[[2-clbis[bis(2-chloroethyl)amino]phosphinyl]oxy)ethyl]sulfonyl-L-alanyl-2-phenyl-, (2R)- [CAS]	158382-37-7	SN	5545621	Anticancer, other	Cancer, ovarian
TNF-I3 analogue			R	2035185	Anticancer, immunological	Cancer, general
TNP-470		129298-91-5				
TO-186	Pregna-1,4-diene-3,20-dione, 9-fluoro- 118,17,21-trihydroxy-16.betamethyl-, 17- butyrate 21-propionate [CAS]	5534-02-1			Antipruritic/inflamm, allergic	
tobramycin	O-3-amino-3-deoxy-Alpha-D- glucopyranosyl-(1,6)-O-(2,6-diamino-2,3,6- trideoxy-Alpha-D-ribo-hexopyranosyl-(1-4)- 2-deoxy- [CAS]	32986-56-4			Formulation, inhalable, topical	Infection, respiratory tract, general
tocainide	Propanamide, 2-amino-N-(2,6- dimethylphenyl)- [CAS]	41708-72-9	Sn	4218477	Antiarrhythmic	Fibrillation, ventricular
Tocamphyl		5634-42-4				
tocladesine	8-Chloroadenosine 3'5'-cyclic phosphate	41941-56-4			Anticancer, other	Cancer, colorectal
Tocoretinate		40516-48-1				
Todralazine		14679-73-3				
Tofenacin		15301-93-6				
tofimilast	5H-Pyrazolo[3,4-c]-1,2,4-triazolo[4,3- a]pyridine,9-cyclopentyl-7-ethyl-6,9- dihydro-3-(2-thienyl)-	185954-27-2			Antiasthma	Asthma
	5H-2 3-Benzodiazenine 1-/3 4-					
tofisopam	on-z., 2-penzodiazepine, 1-13,4- dimethoxyphenyl)-5-ethyl-7,8-dimethoxy-4- methyl-ICAS]	22345-47-7	GB	1334271	Anxiolytic	Anxiety, general
Tolazamid		1156-19-0				

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API G neric Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
Tolazolin		59-98-3				
Tolbutamide		64-77-7				
tolcapone	Methanone, (3,4-dihydroxy-5- nitrophenyl)(4-methylphenyl)- [CAS]	134308-13-7	EP	237929	Antiparkinsonian	Parkinson's disease
tolciclate	Carbamothioic acid, methyl(3-methylphenyl)-, O-(1,2,3,4-tetrahydro-1,4-methanonaphthalen-6-yl) ester [CAS]	50838-36-3	GB	1364407	Antifungal	Infection, dermatological
Tolcyclamide		664-95-9				
tolevamer	Benzenesulfonic acid, 4-ethenyl-, homopolymer,	28038-50-8			Antibacterial, other	Infection, Clostridium, general
tolfenamic acid	Benzoic acid, 2-{(3-chloro-2- methylphenyl)amino]- [CAS]	13710-19-5	DE	1543295	Anti-inflammatory	Inflammation, general
Tolindate		27877-51-6				
Toliprolol		2933-94-0				
Tolmetin		26171-23-3				
Tolnaftate		2398-96-1				
Tolonidine		4201-22-3				
Tolonium		92-31-9				
toloxatone	2-Oxazolidinone, 5-(hydroxymethyl)-3-(3-methylphenyl)- [CAS]	29218-27-7	GB	1250538	Antidepressant	
Tolperisone		728-88-1				
Tolpropamine		5632-44-0				
Tolrestat		82964-04-3				
	Carbamic acid, (2-methylphenyl)-, (3aS,8aR)-1,2,3,3a,8,8a-hexahydro-1,3a,8. trimethylpyrrolo[2,3-b]indol-5-yl ester					
tolserine	[CAS]	145209-30-9			Cognition enhancer	Alzheimer's disease
tolterodine	Phenol, 2-(3-(bis(1-methylethyl)amino)-1- phenylpropyl)-4-methyl-, (R)- [CAS]	124937-51-5	ЕР	325571	Urological	Incontinence
tolvaptan	Benzamide, N-[4-[(7-chloro-2,3,4,5- letrahydro-5-hydroxy-1H-1-benzazepin-1- yl)carbonyl[-3-methylphenyl]-2-methyl- [CAS]	150683-30-0	EP	450097	Cardiovascular	Heart failure

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API G n ric Name	API Chemical Name		Refe	Reference	Example of Therapeutic Use	Example of Indication
Tolycaine		3686-58-6				
Topiramate	Beta-D-Fructopyranose, 2,3:4,5-	97240-79-4				7
	bis-O-(1-memylemylidene)-, sulfamate [CAS]		В	533483	533483 Antiepileptic	cpiiepsy, generalizeu, tonic-clonic
topoisomerase inhibitors			SN	5733880	Anticancer, other	Cancer, general
topotecan	1H-Pyrano[3',4':6,7]indolizino[1,2-b]quinoline-3,14(4H,12H)-dione, 9-[(dimethylamino)methyl]-4-ethyl-4,10-dihydroxy-, (S)- [CAS]	123948-87-8	di di	321122	Anticancer, other	Cancer, ovarian
torasemide	3-Pyridinesulfonamide, N-[[(1-methylethyl)amino]carbonyl]-4-[(3-methylphenyl)amino]- [CAS]	56211-40-6	Sn	4018929	Antihypertensive, diuretic	Hypertension, general
	ethyl (2R,4S)-4-[[3,5-bis(trifluoromethyl) benzyl](methoxycarbonyl)aminol-2-ethyl-6- (trifluoromethyl)-3,4-dihydroquinoline- 1(2H)-carboxylate					
torcetrapib	•	262352-17-0			Hypolipaemic/Antiatherosclerosis	Atherosclerosis
torcitabine	ß-L-2'Deoxycytidine				Antiviral, other	Infection, hepatitis-B virus
toremifene	Ethanamine, 2-[4-(4-chloro-1,2-diphenyl-1-89778-26-7 buteny)]phenoxy]-N,N-dimethyl-, (Z)-[CAS]		EP	95875	Anticancer, hormonal	Cancer, breast
Torsemide		56211-40-6				
Tositumomab		208921-02-2				
tosufloxacin	1,8-Naphthyridine-3-carboxylic acid, 7-{3-amino-1-pyrrolidinyl}-1-(2,4-difluorophenyl},100490-36-6 6-fluoro-1,4-dihydro-4-oxo-, [CAS]		NS	4704459	Quinolone antibacterial	Infection, urinary tract
tramadol	Cyclohexanol, 2-[(dimethylamino)methyl]-1,27203-92-5 (3-methoxyphenyl)-, cis-(+/-)-[CAS] 36282-47-0	27203-92-5 36282-47-0			Analgesic, other	Pain, general
Tramazoline		1082-57-1				
trandolapril	1H-Indole-2-carboxylic acid, 1-[2-[(1-carboxy-3-phenylpropyl)amino]-1-oxopropyl]octahydro-, [2S-[1[R*(R*)],2Alpha,3aAlpha,7aß]]- [CAS]	87679-71-8 87679- 37-6 52-53-9	DE	3151690	Antihypertensive, renin system	Hypertension, general

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API Generic Name	API Chemical Name	CAS No.	Patent Referer	Patent Reference	Example of Therapeutic Use	Example of Indication
tranexamic acid	Cyclohexanecarboxylic acid, 4- (aminomethyl)-, trans- [CAS]	1197-18-8	SN	3950405	1	Menstrual disorder, general
tranilast	Benzoic acid, 2-[[3-(3,4-dimethoxyphenyl)-1-oxo-2-propenyl]amino]- [CAS]	53902-12-8	Sn	3940422	Vulnerary	Wound healing
trans-retinoic acid	Retinoic acid [CAS]	302-79-4			Anticancer, other	Cancer, general
Tranylcypromine		155-09-9				
trapidil	[1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, N,N-diethyl-5-methyl- [CAS]	15421-84-8	8	55956	Vasodilator, coronary	
Trastuzumab		180288-69-1				
	5-Heptenoic acid, 7-(3,5-dihydroxy-2-(3-hydroxy-4-(3-(trifluoromethyl)phenoxy)-1-butenyllovclopentyl)-, 1-methylethylester					
travoprost	(1R(1Alpha(Z),28(1E,3R*),3Alpha,5Alpha) [CAS]	157283-68-6			Formulation, mucosal, topical	Glaucoma
Traxanox		58712-69-9				
traxoprodii	1-Piperidineethanol, 4-hydroxy-Alpha-(4-hydroxyphenyl)-ß-methyl-4-phenyl-, (AlphaS,ßS)- [CAS]	134234-12-1 188591-67-5			Analgesic, other	Pain, general
trazodone	1,2,4-Triazolo[4,3-a]pyridin-3(2H)-one, 2- [3-[4-(3-chlorophenyl)-1-piperazinyl]propyl]-19794-93-5 [CAS]	19794-93-5 25332-39-2	SN	4215104	Antidepressant	
Tremacamra		155576-45-7				
Trenbolone		10161-33-8				
Trengestone		5192-84-7				
treosulfan	1,2,3,4-Butanetetrol, 1,4- dimethanesulfonate, [S-(R*,R*)]- [CAS]	299-75-2	MO	8401506	Anticancer, alkylating	
trepibutone	Benzenebutanoic acid, 2,4,5-triethoxy- Gamma-oxo- [CAS]	41826-92-0	gB	1387733	Antispasmodic	
treprostinol	Prosta-5, 13-dien-1-oic acid, 6,9-epoxy- 11,15-dihydroxy-, [5Z,9Alpha,11Alpha,13E,15S]- [CAS]	35121-78-9 61849-14-7	SN	6054486	Formulation, parenteral, other	Hypertension, pulmonary
tretinoin	Retinoic acid [CAS]	302-79-4			Formulation, dermal, topical	Acne

Name API Chemical Name 6,7-Isoquinolinediol, 1,2,3,4-tetrahydro-1- [(3,4,5-trimethoxyphenyl)methyl]-, (S)- [CAS] TRI 50b [CAS] ne Pregna-1,4-diene-3,20-dione, 9-fluoro- 11,21-dihydroxy-16,17-[(1- methylethylidene)bis(oxy)]-, (118,16Alpha) [CAS]	CAS No. 18559-59-6 30418-38-3 21650-42-0 226214-49-9 102-76-1 76-25-5 31002-79-6 5611-51-8	Patent Reference ZA 6802416	Example of Therapeutic Use Antiasthma Antithrombotic	Example of Indication Thrombosis, general
6,7-lsoquinolinediol, 1,2,3,4-tetrahydro-1-[(3,4,5-trimethoxyphenyl)methyl]-, (S)-[CAS] TRI 50b [CAS] Pregna-1,4-diene-3,20-dione, 9-fluoro-11,21-dihydroxy-16,17-[(1-methylethylidene)bis(oxy)]-, (118,16Alpha)[CAS]	1855-5-6 30418-38-3 21650- 42-0 24305-27-9 226214-49-9 102-76-1 76-25-5 31002-79-6 5611-51-8 5611-51-8	5	Antithrombotic	Thrombosis, general
b. /-Isoquinolinedioi, 1,2,3,4-tetranydro-1- [(3,4,5-trimethoxyphenyl)methyl]-, (S)- setin ncinolone ncinolone ncinolone ncinolone ncetonide Pregna-1,4-diene-3,20-dione, 9-fluoro- 11,21-dihydroxy-16,17-[(1- methylethylidene)bis(oxy)]-, (118,16Alpha) [CAS]	1859-59-6 30418-38-3 21650- 42-0 226214-49-9 102-76-1 76-25-5 31002-79-6 5611-51-8	8	Antisthma Antithrombotic	Thrombosis, general
b TRI 50b [CAS] cetin ncinolone ncinolone ncinolone ncinolone pregna-1,4-diene-3,20-dione, 9-fluoro-11,21-diinydroxy-16,17-[(1-metrylethylidene)bis(oxy)]-, (118,16Alpha) [CAS]	27-9 49-9 1-1 5 79-6	8	Antithrombotic	Thrombosis, general
TRI 50b [CAS]	24305-27-9 226214-49-9 102-76-1 76-25-5 31002-79-6 5611-51-8 uoro- 15Alpha).76-25-5 15Alpha).76-25-5		Antithrombotic	Thrombosis, general
TRI 50b [CAS] Pregna-1,4-diene-3,20-dione, 9-fluoro-11,21-dihydroxy-16,17-[(1-methylethylidene)bis(oxy)]-, (118,16Alpha)[CAS]	226214-49-9 102-76-1 76-25-5 31002-79-6 5611-51-8 uoro- 15Alpha), 76-25-5 15Alpha), 76-25-5		Antithrombotic	Thrombosis, general
Pregna-1,4-diene-3,20-dione, 9-fluoro- 11,21-dihydroxy-16,17-[(1- methylethylidene)bis(oxy)]-, (118,16Alpha) [CAS]	102-76-1 76-25-5 31002-79-6 5611-51-8 uoro- 15Alpha)-76-25-5 124-94-7			
Pregna-1,4-diene-3,20-dione, 9-fluoro- 11,21-dihydroxy-16,17-[(1- methylethylidene)bis(oxy)]-, (118,16Alpha)	76-25-5 31002-79-6 5611-51-8 uoro- 15Alpha).76-25-5 124-94-7			
Pregna-1,4-diene-3,20-dione, 9-fluoro- 11,21-dihydroxy-16,17-[(1- methylethylidene)bis(oxy)]-, (118,16Alpha) [CAS]	31002-79-6 5611-51-8 uoro- 16Alpha), 76-25-5 124-94-7			
Pregna-1,4-diene-3,20-dione, 9-fluoro- 11,21-dihydroxy-16,17-[(1- methylethylidene)bis(oxy)]-, (118,16Alpha) [CAS]	31002-79-6 5611-51-8 uoro- 16Alpha} 76-25-5 124-94-7			
Pregna-1,4-diene-3,20-dione, 9-fluoro- 11,21-dihydroxy-16,17-[(1- methylethylidene)bis(oxy)}-, (118,16Alpha) [CAS]	5611-51-8 uoro- 16Alpha) 76-25-5 124-94-7			
Pregna-1,4-diene-3,20-dione, 9-fluoro-11,21-dihydroxy-16,17-[(1-methylethylidene)bis(oxy)]-, (11ß,16Alpha)[CAS]	uoro- 16Alpha), 76-25-5 124-94-7			
Pregna-1,4-diene-3,20-dione, 9-fluoro- 11,21-dihydroxy-16,17-[(1- methylethylidene)bis(oxy)]-, (118,16Alpha) [CAS]	uoro- 16Alpha)-76-25-5 124-94-7			
[CAS]	124-94-7			
			Formulation, inhalable, topical	Asthma
Triamterene				
triapine [CAS]	236392-56-6	US 6458816	Anticancer, antimetabolite	Cancer, leukaemia, general
Triaziquone	68-76-8			
8-chloro-6-(2-chlorophenyl)-1-methyl-4H-	28041 04 6	3080700	Humotic/Codetico	ciamost
opio	10310 22 4		Typical Codaine	8
Trichlorion	52-68-6			
Trichlormethiazide	133-67-5			
Trichlormethine	555-77-1			
Trichloroethylene	79-01-6			
Triclobisonium	79-90-3			
Triclocarban	101-20-2			
Triclofenol Piperazine	5714-82-9			
Triclofos	306-52-5			
Triclosan	3380-34-5			
Tricromyl	85-90-5			
Tridihexethyl lodide	125-99-5			

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
trientine	7,2-Ethanediamine, N,NZ-Dis(zaminoethyl) 33250-01-4 112- , [CAS]	38260-01-4 11 <i>2</i> - 24-3			Metabolic and enzyme disorders	Wilson's disease
Triethanolamine		102-71-6				
Triethylenemelamine		51-18-3				
Triethylenephosphorami		545-55-1				
de						
Triethylenethiophospho		52-24-4				
ramide						
Trifluoperazine		117-89-5				
Trifluperidol		749-13-3				
Triflupromazine		146-54-3				
trifluridine	Thymidine, Alpha, Alpha, Alpha-trifluoro- ICASI	70-00-8	SN	3201387	Antiviral, other	Infection, herpes virus, general
	Benzoic acid, 2-(acetyloxy)-4-					
triflusal	(trifluoromethyl)- [CAS]	322-79-2	S	4096252	Antithrombotic	Thrombosis, general
Trihexyphenidyl		52-49-3				
	Androst-2-ene-2-carbonitrile, 4,5-epoxy-					
	3,17-dihydroxy-, (4Alpha,5Alpha,17ß)-	10047 00 0	٥	3303000	- Common of a constraint of	to contract
triostane	[CAS]	13647-35-3	3	3296255	Anticancer, normonal	cancer, preast
Trimazosin		35795-16-5				
	Benzoic acid, 3,4,5-trimethoxy-, 2- /dimethylamino\-2-phenylhity ester (7\-2\34140\-59\-5\39133-	34140-59-5 39133-				
trimebutine	butenedioate (1:1) [CAS]	31-8	JG.	2151716	Antispasmodic	
Trimecaine		616-68-2				
Trimeprazine		84-96-8				
Trimetazidine		5011-34-7				
Trimethadione		127-48-0				
Trimethaphan		68-91-7				
Trimethobenzamide		138-56-7				
Trimethoprim		738-70-5				
Trimetozine		635-41-6				
trimetrexate	2,4-Quinazolinediamine, 5-methyl-6- [[(3,4,5-trimethoxyphenyl)amino]methyl]- [CAS]	52128-35-5 82952-64-5	SI	4391809	Antifungal	Infection, Pneumocystis jiroveci

API Generic Name	API Chemical Name	CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
	5H-Dibenz[b,f]azepine-5-propanamine,					
	10,11-dihydro-N,N,ß-trimethyl-, (Z)-2-	521-78-8 730 74 0			Antidoproceant	
trimipramine	butenedioate (1.1) [CAS]	1 38-1 1-8			Antidepressant	
Trimoprostil		69900-72-7				
Trioxsalen		3902-71-4				
	Benzamide, 3-(aminosulfonyl)-4-chloro-N-					
tripamide	(octanydro-4, / -metnano-∠r-isoindoi-2-yi)-, (3aAipha,4Aipha,7Aipha,7aAipha)- [CAS]	73803-48-2	읔	7305585	Antihypertensive, diuretic	Hypertension, general
Triparanol		78-41-1				
Tripelennamine		91-81-6				
Triprolidine		486-12-4				
triptorelin	Luteinizing hormone-releasing factor (pig), 6-D-tryptophan- [CAS]	124508-66-3 57773-63-4	SN	4010125	Releasing hormones	Cancer, prostate
tritiozine	Morpholine, 4-[thioxo(3,4,5-trimethoxyphenyl)methyl]- [CAS]	35619-65-9	SN	3862138	Antiulcer	
Tritoqualine		14504-73-5				
TRK-530	Phosphonic acid, [[[4- (methylthio)phenyl]thio]methylene]bis-, disodium salt [CAS]	151425-92-2	N N	9410181	Antiarthritic, other	Arthritis, rheumatoid
TRK-820	2-Propenamide, N-[(5Alpha,68)-17- (cyclopropylmethyl)-4,5-epoxy-3,14- dihydroxymorphinan-6-yll-3-(3-furanyl)-N- methyl- monohydrochloride (2F)-ICASI	152658-17-8	9	9315081	Antioruritic/inflamm. non-allergic	Pruritus
Troclosene		2244-21-5				
trofosfamide	3-2-(chloroethyl)-2-[bis(2-chloroethyl)amino]tetrahydro-2H-1,3,2-oxazaphosphorin 2-oxide	22089-22-1	89	1188159	Anticancer, alkylating	
Troglitazone		97322-87-7				
Troleandomycin		2751-9-9				
Trolnitrate		588-42-1				
tromantadine	N-(1-adamantyl)-2-(2-dimethylamine ethoxy)acetamide	53783-83-8	DE	1941218	Antiviral, other	Infection, herpes simplex virus
Tromethamine		77-86-1	Ш			

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API Generic Name	API Chemical Name	CAS No.	Ref	Reference	Example of Therapeutic Use	Example of Indication
Tropacine		6878-98-4				
Tropesin		65189-78-8				
Tropicamide		1508-75-4				
tropine	1H-Indole-3-acetic acid, 1-(4- chlorobenzoyl)-5-methoxy-2-methyl-, 2- carboxy-2-phenylethyl ester, (+/-)- [CAS]	65189-78-8			Antiarthritic, other	
tropisetron	1H-Indole-3-carboxylic acid, 8-methyl-8- azabicyclo[3.2.1]oct-3-yl ester, endo-[CAS]89565-68-4	89565-68-4	g _B	2125398	Antiemetic	Chemotherapy-induced nausea and vomiting
Trospectomycin		88669-04-9				
trospium	3Alpha-Hydroxyspiro[1AlphaH,5AlphaH-nortropane-8,1'-pyrrolidinium] benzilate	10405-02-4			Urological	Pollakisuria
trovafloxacin	1,8-Naphthyridine-3-carboxylic acid, 7-(6-amino-3-azabicyclo[3.1.0]hex-3-yl)-1-(2,4-difluorophenyl)-6-fluoro-1,4-dihydro-4-oxo-147059-72-1 (1Alpha,5Alpha)-, [CAS]	147059-72-1 147059-75-4	Sn	5164402	Quinolone antibacterial	Infection, respiratory tract, general
troxacitabine	2(1H)-Pyrimidinone, 4-amino-1-(2- (hydroxymethyl)-1,3-dioxolan-4-yl)-, (2S- cis)-[CAS]	145918-75-8			Anticancer, other	Cancer, leukaemia, acute myelogenous
Troxerutin		7085-55-4				
troxipide	Benzamide, 3,4,5-trimethoxy-N-3- piperidinyl-, (+/-)- [CAS]	30751-05-4 99777- 81-8	Sn	3647805	Antiulcer	Ulcer, gastric
Trypan Red		574-64-1				
Tryparsamide		554-72-3				
Tryptophan		73-22-3				
TSH		9002-71-5				
1SN-09	6,14-Ethenomorphinan-7-methanol, 17- (cyclopropylmethyl)-Alpha-(1,1- dimethylethyl)-,5-epoxy-18,19-dihydro-3- hydroxy-6-methoxy-Alpha-methyl-, [5Alpha,7Alpha,(S)]- [CAS]	52485-79-7			Formulation, transdermal, patch	Pain, cancer
TU-2100	Nonanedioic acid, bis[(2- (ethoxycarbonyl)phenyl] ester		RS	6180669	Antiacne	Acne

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
Tuaminoheptane		123-82-0				
Tubercidin		69-33-0				
Tubocurarine Chloride		57-94-3			:	
tulobuterol	Benzenemethanol, 2-chloro-Alpha-[[(1,1-dimethylethyl)amino]methyl- [CAS]	41570-61-0	DE	2244737	Antiasthma	Asthma
TV-3326	N-(Propargyl-(3R)aminoindan-5-yl)-ethyl methyl carbamate				Cognition enhancer	Alzheimer's disease
TY-11223	Acetic acid, [2-[2,3,3a,6,7,7a-hexahydro-2- hydroxy-1-(3-hydroxy-4,4-dimethyl-1,6- nonadjynyl)-1H-inden-5-yljethoxy]-, [1S- [1Alpha(R*),28,3aAlpha,7aAlpha]]- [CAS]	140694-43-5	Sn	4837342	Antithrombotic	Unspecified
TY-12533	6,7,8,9-Tetrahydro-2-methyl-5H- cyclohepta[b]pyridine-3-carbonylguanidine maleate		Sn	6258829	Antiarrhythmic	Unspecified
TYB-3215	D-Glucitol, 1,4:3,6-dianhydro-, dinitrate [CAS]	87-33-2			Formulation, modified-release, other	Angina, general
Tybamate		4268-36-4				
tyloxapol	4-(1,1,3,3-Tetramethylbutyl)phenol polymer with formaldehyde and oxirane [CAS]	25301-02-4			Formulation, inhalable, topical	Cystic fibrosis
Tymazoline		24243-97-8				
Tyramine		51-67-2				
Tyropanoate		7246-21-1				
Ubenimex		58970-76-6				
ufenamate	Benzoic acid, 2-[[3- (trifluoromethyl)phenyl]amino]-, butyl ester [CAS]	67330-25-0	BE	861852	Antipruritic/inflamm, non-allergic	
Undecylenic Acid		112-38-9				
Unoprostone		120373-36-6	Ш			

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
	4-[4-Chloro-5-(3-fluoro-4-methoxyphenyl)imidazol-1-					
UR-8880	yl]benzenesulfonamide- [CAS]				Anti-inflammatory	Inflammation, general
Uracil Mustard		66-75-1				
Uralyt-U	1,2,3-Propanetricarboxylic acid, 2-hydroxy- potassium sodium salt (5.6.6), hydrate [CAS]	55049-48-4	Sn	4400535	Urological	
	2,4(1H,3H)-Pyrimidinedione, 6-[[3-[4-(2-methoxyphenyl)-1-					
urapidil	piperaziny]propy]amino]-1,3-dimethyl- [CAS]	34661-75-1	- BB	1309324	Antihypertensive, adrenergic	Hypertension, general
urea	Urea [CAS]	57-13-6			Antipsoriasis	
Uredepa		302-49-8				
Urethan		51-79-6				
Uridine 5'-Triphosphate		63-39-8				
Urinastatin		80449-31-6				
	3Alpha,78-dihydroxy-58-cholan-24-oic				Formulation, other, Cirrhosis, primary biliary, hepatic dysfunction, biliary	
ursodeoxycholic acid	acid [CAS]	128-13-2			calcalus	Cirrhosis, primary biliary
Ursodiol		128-13-2				
Ushercell			SN	6063773	Formulation, mucosal, topical	Contraceptive, female
Uzarin		20231-81-6				
valaciclovir	L-Valine, 2-[(2-amino-1,6-dihydro-6-oxo-9H-purin-9-yl)methoxy]ethyl ester [CAS]	124832-26-4	<u></u>	308065	Antiviral, other	Infection, herpes simplex virus
Valacyclovir		124832-26-4				
valdecoxib	Benzenesulfonamide, 4-(5-methyl-3-phenyl-4-isoxazolyl)- [CAS]	181695-72-7	Sn	5859257	Antiarthritic, other	Arthritis, rheumatoid
Valdetamide		512-48-1				
Valethamate		90-22-2				
valganciclovir	L-Valine, 2-((2-amino-1,6-dihydro-6-oxo-9H-purin-9-yl)methoxy)-3-hydroxypropyl ester [CAS]	175865-59-5 175865-60-8	EP	694547	Antiviral, other	Infection, cytomegalovirus
Valnoctamide		4171-13-5				

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
i, eleisone	L-Valine (3R)-3-((2-amino-1,6-dihydro-6-oxo-9H-purin-9-yl)methyl)-4-((1-	105156 77 5			Antiviral other	Infection hernes simplex virus
Valorillaciciovii	oxoociadecyi)oxy)butyi ester [o.c.o.]	0-11-001061			Alitalia, Quiel	Shirt Sadan Tropping
valproate	Pentanoic acid, 2-propyl-, [CAS]	œ	SN	4988731	Antiepileptic	Epilepsy, generalized, tonic- clonic
Valproic Acid	-	99-66-1				
Valpromide		2430-27-5				
valrocemide	Pentanamide, N-(2-amino-2-oxoethyl)-2- propyl- [CAS]	92262-58-3	Sn	5585358	Antiepileptic	Epilepsy, general
	Pentanoic acid, 2-(1,2,3,4,6,11-hexahydro-2,5,12-trihydroxy-7-methoxy-6,11-dioxo-4-					
	((2,3,6-trideoxy-3-((trifluoroacetyl)amino)- Alpha-L-lyxo-hexopyranosyl)oxy)-2-					
valrubicin	naphthacenyl)-2-oxoethyl ester (2S-cis)- [CAS]	56124-62-0	SN	4035566	Anticancer, antibiotic	Cancer, bladder
	L-Valine, N-(1-oxopentyl)-N-[[2'-(1H-tetrazol-5-yl)[1,1'-biphenyl]-4-yl]methyl]-					
valsartan	[CAS]		<u>ل</u>	443983	Antihypertensive, renin system	Hypertension, general
Valspodar		121584-18-7				
	Piperazine, 1-(3-(1,4-dihydro-5-methyl(-4-oxo-7-propylimidazo(5,1-f)(1,2,4)-triazin-2-					Sexual dysfunction, male,
vardenafii	yl)-4-emoxypnenyl)suironyl)-4-emyl- [CAS] 224785-90-4	774/82-80-4			Male sexual dystunction	general
varespladib	Acetic acid, ((3-(aminooxoacetyl)-2-ethyl-1-172732-68-2 (phenylmethyl)-1H-indol-4-yl)oxy)- [CAS] 172733-42-5		EP	675110	Septic shock treatment	Sepsis
Varicella Virus Vaccine						
	3,5-Pyridinedicarboxylic acid, 1,4-dihydro-2,6-dimethyl-4-(3-nitrophenyl)-, 2-[4-[4-	2 20 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				
vatanidipine	(diprientymenty)-1-piperazinyijphenyijernyi i 10300-33-3 methyl ester, [CAS]		П	257616	Neuroprotective	Hypertension, general
VEA			ns	6007817	Radio/chemosensitizer	Cancer, general

API Generic Name	API Chemical Name	CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
vecuronium	Piperidinium, 1- [(26,3Alpha,5Alpha,166,176)-3,17- bis(acetyloxy)-2-(1-piperidinyl)androstan- 16-vll-1-mettyvl-, ICASI	50700-72-6	Sn	4237126	Muscle relaxant	Anaesthesia, adjunct
Velnacrine		8-6				
venlafaxine	Cyclohexanol, 1-[2-(dimethylamino)-1-(4-methoxyphenyl)ethyl]-, [CAS]		gg Bg	2227743	Antidepressant	Depression, general
Veralipride		66644-81-3				
-	Benzeneacetonitrile, Alpha-[3-[[2-(3,4-dimethoxyphenyl)ethyl]methylamino]propyl [-3,4-dimethoxy-Alpha-(1-methylethyl)-	c c			and the state of t	Historical popularial
verapamil	[CAS]	52-53-9			Formulation, modified-release, other	nypertension, general
	23H,25H-Benzo[b]porphine-9,13- dipropanoic acid, 18-ethenyl-4,4a-dihydro- 3,4-bis(methoxycarbonyl)-4a,8,14,19-					
verteporfin	tetrametryi-, monometriyi ester, trans- [CAS]	129497-78-5	ns	5238940	Ophthalmological	Macular degeneration
	Piperazine, 1-(3,4-dimethoxybenzoyl)-4- (1,2,3,4-tetrahydro-2-oxo-6-quinolinyl)-					
vesnarinone	[CAS]	81840-15-5	g _B	2086896	Cardiostimulant	Heart failure
Vetrabutine		3735-45-3				
VF-233	Benzene carboximidamide, N,3,4,5- tetrahydroxy- [CAS]	95933-74-7	Sn	4623659	Cardiovascular	Reperfusion injury
VI-0134			SN	6403597	Male sexual dysfunction	Premature ejaculation
vidarabine	9H-Purin-6-amine, 9-ß-D-arabinofuranosyl 24356-66-9 [CAS]		89	1159290	Antiviral, other	Infection, herpes virus, general
vigabatrio	5-Hexenoic acid 4-amino- ICAS1	68506-86-5 60643- 86-9	89	1472525	Antiepileptic	Epilepsy, partial (focal, local)
	2-Benzofurancarboxamide, 5-[4-[4-(5-cyano-1H-indol-3-vi)butyl]-1-piperazinyl]-					
vilazodone	[CAS]	163521-12-8	Ш	648767	Antidepressant	Depression, general
Viloxazine		46817-91-8				
Viminol		21363-18-8				
Vinbarbital		125-44-0				
Vinblastine		865-21-4				
vinburnine	Eburnamenin-14(15H)-one, (3Alpha,16Alpha)- [CAS]	474-00-0 4880-88-0	DE	1932245	Cognition enhancer	

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API Generic Name	API Chemical Name	CAS No.	Ref	Reference	Example of Therapeutic Use	Example of Indication
Vincamine		1617-90-9				
Vinconate		70704-03-9				
vincristine	Vincaleukoblastine, 22-oxo-, sulfate (1:1) (salt) [CAS]	2068-78-2 57-22-7	굡	207831	Formulation, parenteral, other	Cancer, general
vindesine	Vincaleukoblastine, 3-(aminocarbonyl)-O4-53643-48-4 deacetyl-3-de(methoxycarbonyl)- [CAS] 59917-39-4	53643-48-4 59917-39-4	GB	1463575	Anticancer, other	Cancer, leukaemia, acute lymphocytic
	Aspidospermidine-3-carboxylic acid, 4- (acetyloxy)-6,7-didehydro-15- [(2R,4R,6S,8S)-4-(1,1-difluoroethyl)-					
	1,3,4,5,6,7,8,9-octahydro-8- (methoxycarbonyl)-2,6-methano-2H- azecino[4,3-b]indol-8-yl]-3-hydroxy-16-					
vinflunine	methoxy-1-methyl-, methyl ester, (28,38,48,5Alpha,128,19Alpha) - [CAS]	162652-95-1	똢	2707988	Anticancer, other	Cancer, general
	C'-Norvincaleukoblastine, 3',4'-didehydro-					
vinorelbine	4'-deoxy- [CAS]	71486-22-1	ЕP	10458	Anticancer, other	Cancer, lung, non-small cell
vinpocetine	Eburnamenine-14-carboxylic acid, ethyl ester, (3Alpha,16Alpha)- [CAS]	42971-09-5	GB	1405127	Cognition enhancer	Cognitive disorder, general
Vinyl Ether		109-93-3				
Vinylbital		2430-49-1				
Viquidil		84-55-9				
Viridin		3306-52-3				
Visnadine		477-32-7				
Vitamin A		68-26-8				
vitamin B12	Vitamin B12 [CAS]	68-19-9			Formulation, transmucosal, nasal	Anaemia, general
vitamin C	L-Ascorbic acid [CAS]	50-81-7			Formulation, modified-release, <=24hr	Nutrition
Vitamin D ₂		50-14-6				
Vitamin D ₃		0-26-29				
Vitamin K ₅		83-70-5				
Vitamins, Prenatal						

API Generic Name	API Chemical Name	CAS No.	Patent Refere	Patent Reference	Example of Therapeutic Use	Example of Indication
VLA-4 antagonists	((R,S)-4-(4-(Amino-imino-methyl)-phenyl)-3-((4-biphenylyl)-methyl)-4-methyl-2,5-dioxoimidazolidin-1-yl)-acetyl-L-N-methyl-sspartyl-L-phenylglycine	_	EP 8	842943	Antiasthma	Asthma
VNP-40101M	1,2-Bis(methylsulfonyl)-1-(2-chloroethyl)-2- (methylamino)carbonylhydrazine		Sn	6040338	Anticancer, alkylating	Cancer, general
voglibose	D-epi-Inositol, 3,4-dideoxy-4-[[2-hydroxy-1-(hydroxymethyl)ethyl]amino]-2-C-(hydroxymethyl)- [CAS]	83480-29-9	8	56194	Antidiabetic	Diabetes, Type II
voriconazole	4-Pyrimidineethanol, Alpha-(2,4-difluorophenyl)-5-fluoro-ß-methyl-Alpha-(1H-1,2,4-triazol-1-ylmethyl)-, (R-(R*,S*))-	137234-62-9	EP 4	440372	Antifungal	Infection, fungal, general
Vorozole		129731-10-8				
	7-[3-[4-(2-Quinolinylmethyl)-1- piperazinyl]propoxy]-3,4-dihydro-2H-1,4- benzothiazine-3-one					
VUF-K-8788					Antiasthma	Asthma
Warfarin		81-81-2				
WF-10	Tetrachlorodecaoxide [CAS]	92047-76-2			Radio/chemoprotective	Chemotherapy-induced injury, bone marrow, general
	2-(3-[4-{3-(6-oxo-6H-2,10b-diaza-aceanthrenylen-5-ylamino)propyl]-piperazin-1-yl]propyl)-5-nitro-2-azapenalene-1,3-dione					
WMC-79					Anticancer, other	Cancer, colorectal
wound healing matrix			SN E	0887683	Formulation, transdermal, patch	Ulcer, diabetic
WP-170			Sn	6531121	Cytokine	Unspecified
xaliproden	Pyridine, 1,2,3,6-tetrahydro-1-[2-(2-naphthalenyl)ethyl]-4-[3-(trifluoromethyl)phenyl]-, [CAS]	90494-79-4 135354-020-8	<u>유</u>	101381	Neuroprotective	Amyotrophic lateral sclerosis
xamoterol	4-Morpholinecarboxamide, N-[2-[[2-hydroxy-3-(4-hydroxyphenoxy)propyl]amino]ethyl]-, (+/-)-73210-73-8 [CAS]		GB 2	2002748	Cardiostimulant	Heart failure

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API Generic Name	API Chemical Name		Refe	Reference	Example of Therapeutic Use	Example of Indication
Xanomeline		131986-45-3				
Xanthinol Niacinate		437-74-1				
Xemilofiban		149820-74-6				
Xenbucin		959-10-4				TAXON OWN .
Xibenolol		81584-06-7				
xibornol	Phenol, 4,5-dimethyl-2-(1,7,7-trimethylbicyclo[2.2.1]hept-2-yl)-, exo-[CAS]	13741-18-9	89 ,	1206774	Antibacterial, other	Infection, general
ximelagatran	Glycine, N-((R)-cyclohexyl-2-((2S)-2-(((4- (hydroxyamino)iminomethyl)phenyl)methyl)amino)carbonyl)-1-azetidinyl)2-oxoethyl ethyl ester [CAS]	192939-46-1			Antithrombotic	Thrombosis, venous
Ximoprofen		56187-89-4				
xipamide	Benzamide, 5-(aminosulfonyl)-4-chloro-N- (2,6-dimethylphenyl)-2-hydroxy- [CAS]	14293-44-8	Sn	3567777	Antihypertensive, diuretic	
xorphanol	Morphinan-3-ol, 17-(cyclobutylmethyl)-8-methyl-6-methylene-, (8ß)- [CAS]	77287-89-9			Analgesic, other	Pain, cancer
XR-5118	2,5-Piperazinedione, 3-[[5-[[2- (dimethylamino)ethyl]thio]-2- thienyl]methylene]-6-(phenylmethylene)-, monohydrochloride, (3Z,6Z)- [CAS]	174766-49-5	OM OM	9532190	Anticancer, other	Cancer, general
	N,N'-(1,2-Ethanediyl)bis(imino-2,1-ethanediyl)bis(9-methylphenazine-1-carboxamide)					
XR-5944			EP	934278	Anticancer, other	Cancer, general
Xylometazoline		526-36-3				
Xylose		58-86-6				
YH-1885	2-Pyrimidinamine, 4-(3,4-dihydro-1-methyl-2(1H)-isoquinolinyl)-N-(4-fluorophenyl)-5,6-dimethyl-, monohydrochloride [CAS]	178307-42-1	WO WO	9605177	Antiulcer	Ulcer, Gl. general
YM-511	Benzonitrile, 4-[[(4-bromophenyl)methyl]- 4H-1,2,4-triazol-4-ylamino]- [CAS]	148869-05-0	WO .	9305027	Anticancer, hormonal	Cancer, breast

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API Generic Name	API Chemical Name	CAS No.	Refer	rateilt. Reference	Example of Therapeutic Use	Example of Indication
7	potassium(E)-N-[6-methoxy-5-(2-methoxyphenoxy)-2-(pyrimidin-2-yl)-2-				o disconnection	Charles of the Control of the Contro
7 M-598	pnenyietnenesuironamidate				Anticancer, other	Caricer, prostate
Yohimbine		146-48-5				
YT-146	Adenosine, 2-(1-octynyl)- [CAS]	90596-75-1	ns 2	5270304	Anti-inflammatory	Inflammation, general
2-321	Thiazolidine, 3-((2,3-dihydro-1H-inden-2-yl)acetyl)-4-(1-pyrrolidinylcarbonyl)-, (R)-[CAS]	130849-58-0	EP 3	372484	Cognition enhancer	Dementia, senile, general
2-335	(1H-Indene-5-acetic acid, 2[[[(4- chloropheny!)sulfonyl]amino]methyl]-2,3- dihydro, monosodium salt) [CAS]	146731-14-8	9 dr	92506077	Antithrombotic	Peripheral vascular disease
	Carbamic acid, [3-[[2-methoxy-4-[]](2-methylphenyl)sulfonyl]amino]carbonyl]phenyl]methyl-1-methyl-1H-indol-5-yl]-,					
zafirlukast	cyclopentyl ester [CAS]	φ		199543	Antiasthma	Asthma
zalcitabine	Cytidine, 2',3'-dideoxy- [CAS]	7481-89-2	US 4	4879277	Antiviral, anti-HIV	Infection, HIV/AIDS
Zaldaride		109826-26-8				
zaleplon	Acetamide, N-[3-(3-cyanopyrazolo[1,5-a]pyrimidin-7-yl)phenyl]-N-ethyl- [CAS]	151319-34-5	EP 7	776898	Hypnotic/Sedative	Insomnia
zaltoprofen	Dibenzo[b,f]thiepin-2-acetic acid, 10,11-dihydro-Alpha-methyl-10-oxo- [CAS]	74711-43-6	JP 5	55053282	Anti-inflammatory	
zanamivir	5-Acetamido-2,6-anhydro-3,4,5-trideoxy-4-guanidino-D-glycero-D-galacto-non-2-enonic acid [CAS]	139110-80-8	6 OM	9116320	Antiviral, other	Infection, influenza virus
	1-Propanone, 3-(1-(phenylmethyl)-4-piperidinyl)-1-(2,3,4,5-tetrahydro-1H-1-				:	:
zanapezil	benzazepin-8-yl)- [CAS]		EP 4	487071	Cognition enhancer	Alzheimer's disease
Zatebradine		85175-67-3				
ZD-0473	Platinum, amminedichloro(2-methylpyridine)- (SP-4-3)- [CAS]	181630-15-9	EP 7	727430	Anticancer, alkylating	Cancer, ovarian
ZD-0947			6 0M	9528388	Urological	Overactive bladder
ZD-6126	N-acetylcolchinol-O-phosphate				Anticancer, other	Cancer, general
ZD-9331	1H-Tetrazole-5-butanoic acid, Alpha-((4- (((1,4-dihydro-2,7-dimethyl-4-oxo-6- quinazolinyl)methyl)-2-propynylamino)-2- fluorobenzoyl)amino) (S)- [CAS]	153537-73-6	GB 2	2264946	Anticancer, antimetabolite	Cancer, pancreatic

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API Generic Name	API Chemical Name	CAS No.	Refe	Reference	Example of Therapeutic Use	Example of Indication
zebularine	2(1H)-Pyrimidinone, 1-ß-D-ribofuranosyl- [CAS]	3690-10-6			Anticancer, other	Cancer, general
zelandopam	7,8-Isoquinolinediol, 4-(3.4- dihydroxyphenyl)-1,2,3,4-tetrahydro-, [CAS]	138086-00-7	뤗	03190818	Vasodilator, renal	Hypertension, general
Zenarestat		112733-06-9				
Ziconotide		107452-89-1				
zidovudine	Thymidine, 3'-azido-3'-deoxy- [CAS]	30516-87-1	SN	4724232	Antiviral, anti-HIV	Infection, HIV/AIDS
zileuton	Urea, N-(1-benzo[b]thien-2-ylethyl)-N-hydroxy- ICASI	111406-87-2	G.	279263	Antiasthma	Asthma
Zimeldine		~				
zinc acetate	hexakis(\m-acetato)-\m4-oxotetrazinc	12129-82-7			Antiviral, other	Infection, herpes simplex virus prophylaxis
zinc acexamate	Hexanoic acid, 6-(acetylamino)-, zinc salt (2:1)- ICAS]	70020-71-2	ᇟ	369088	Antiulcer	Ulcer, duodenal
zinc ibuprofenate		78416-80-5			Anti-inflammatory, topical	Inflammation, dermal
Zinc p-Phenolsulfonate		127-82-2				
Zinc Salicylate		16283-36-6				
Zinostatin		9014-2-2				
zinostatin stimalamer		123760-07-6	EP	136791	Anticancer, antibiotic	Cancer, liver
Zipeprol		34758-83-3				
ziprasidone	2H-Indol-2-one, 5-(2-(4-(1,2-benzisothiazol-3-yl)-1-piperazinyl)ethyl)-6- 122883-93-6 chloro-1,3-dihydro- [CAS]		<u> </u>	281309	Neuroleptic	Schizophrenia
zofenopril	L-Proline, 1-[3-(benzoylthio)-2-methyl-1- oxopropyl]-4-(phenylthio)- .[1(R*),2Alpha,4Alpha]- [CAS]	75176-37-3 81872-10-8 81938-43-4	GB	2028327	Antihypertensive, renin system	Hypertension, general
zofenopril + HCTZ	L-Proline, 1-[3-(benzoylthio)-2-methyl-1- oxopropyl]-4-(phenylthio)- [1(R*),2Alpha,4Alpha]- + 6-Chloro-3,4- dinydro-2H-1,2,4-benzothiazide-7- sulfonamide 1,1-dioxide [CAS]				Formulation, fixed-dose combinations	Hypertension, general
zoledronic acid	Phosphonic acid, [1-hydroxy-2-(1H-imidazol-1-yl)ethylidene]bis- [CAS]	118072-93-8 165800-06-6	EP	531253	Osteoporosis treatment	Hypercalcaemia of malignancy

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Ari Celleric Naille	2-(p-methylsulfonylphenyl)imidazo[1,2-			331880	Antiurer	Gaetrific
			\neg	2000100		
zolmitriptan	2-Oxazolidinone, 4-((3-(2- (dimethylamino)ethyl)-1H-indol-5- yl)methyl)-, (S)- [CAS]	139264-17-8	WO	9118897	Antimigraine	Migraine
zolpidem	Imidazo[1,2-a]pyridine-3-acetamide, N.N.6-trimethyl-2-(4-methylphenyl)-(R-(R*,R*))-2,3-dihydroxybutanediotade (2:1) [CAS]	99294-93-6 82626 48-0	<u>G</u>	50563	Hypnotic/Sedative	Insomnia
Zomepirac		33369-31-2				
zonampanel	1(2H)-Quinoxalineacetic acid, 3,4-dihydro-7-(1H-imidazol-1-yl)-6-nitro-2,3-dioxo-[CAS]	210245-80-0			Neuroprotective	Ischaemia, cerebral
	1H-pyrazole-4-carboxamide,N- (aminoimino methyl)-5-cyclopropyl-1-(5- ounolinyl)					
zoniporide		249296-45-5			Cardiovascular	Unspecified
zonisamide	1,2-Benzisoxazole-3-methanesulfonamide 68291-97-4 [CAS]		GB	2025931	Antiepileptic	Epilepsy, generalized, tonic- clonic
zopicione	1-Piperazinecarboxylic acid, 4-methyl-, 6- (5-chloro-2-pyridinyl)-6,7-dihydro-7-oxo-5H pyrrolo[3,4-b]pyrazin-5-yl ester [CAS]	43200-80-2	GB	1358680	Hypnotic/Sedative	Insomnia
Zopolrestat		110703-94-1				
Zorubicin		54083-22-6				
zosuquidar	1-Piperazineethanol, 4-(1,1-difluoro-1,1a,6,10b-tetrahydrodibenzo[a,e]cyclopropa[c]cyclohepten-6-yl)-Alpha-[(5-quinolinyloxy)methyl]-(19Alpha,6Alpha,10bAlpha)]- [CAS] 167465-36-3	167465-36-3			Radio/chemosensitizer	Cancer, leukaemia, acute myelogenous
zotepine	Ethanamine, 2-[(8- chlorodibenzo[b,f]thiepin-10-yl)oxy]-N,N- dimethyl- [CAS]	26615-21-4	GB	1247067	Neuroleptic	Schizophrenia
ZP-123			WO	0162775	Antiarrhythmic	Arrhythmia, general
Z-tamoxifen	Ethanamine, 2-[4-(1,2-diphenyl-1-butenyl)phenoxy]-N,N-dimethyl-, (Z)-[CAS]	10540-29-1			Anticancer, hormonal	Cancer, colorectal

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API Generic Name	API Chemical Name	CAS No.	Reference	Example of Therapeutic Use Example of Indication	Example of Indication
		53772-83-1			
		982-24-1			
	1-Piperazineethanol, 4-[3-(2-chloro-9H-	85721-05-7			
zuclopenthixol	thioxanthen-9-ylidene)propyl]-, (Z)-[CAS] 64053-00-5	64053-00-5	EP 270282	Neuroleptic	Psychosis, general

CLAIMS:

- 1. A pharmaceutical co-crystal composition, comprising: an API and a co-crystal former, wherein the API is a liquid or a solid at room temperature and the co-crystal former is a solid at room temperature, and wherein the API and co-crystal former are hydrogen bonded to each other.
- 2. The pharmaceutical co-crystal composition according to claim 1, wherein:
 - (a) the co-crystal former is selected from a co-crystal former of Table I or Table II;
 - (b) the API is selected from an API of Table IV;
 - (c) the API is selected from an API of Table IV and the co-crystal former is selected from a co-crystal former of Table I or Table II;
 - (d) the API is a liquid at room temperature;
 - (e) the API is a solid at room temperature;
 - the API has at least one functional group selected from the group consisting of ether, thioether, alcohol, thiol, aldehyde, ketone, thioketone, nitrate ester, phosphate ester, thiophosphate ester, ester, thioester, sulfate ester, carboxylic acid, phosphonic acid, phosphinic acid, sulfonic acid, amide, primary amine, secondary amine, ammonia, tertiary amine, sp2 amine, thiocyanate, cyanamide, oxime, nitrile, diazo, organohalide, nitro, s-heterocyclic ring, thiophene, n-heterocyclic ring, pyrrole, o-heterocyclic ring, furan, epoxide, peroxide, hydroxamic acid, imidazole, and pyridine;
 - the co-crystal former has at least one functional group selected from the group consisting of ether, thioether, alcohol, thiol, aldehyde, ketone, thioketone, nitrate ester, phosphate ester, thiophosphate ester, ester, thioester, sulfate ester, carboxylic acid, phosphonic acid, phosphinic acid, sulfonic acid, amide, primary amine, secondary amine, ammonia, tertiary amine, sp2 amine, thiocyanate, cyanamide, oxime, nitrile diazo, organohalide, nitro, s-heterocyclic ring, thiophene, n-heterocyclic ring, pyrrole, o-heterocyclic ring, furan, epoxide, peroxide, hydroxamic acid, imidazole, and pyridine;

- (h) the difference in pK_a between the API and the co-crystal former does not exceed 2;
- (i) the solubility of the co-crystal is increased as compared to the API;
- (j) the dose response of the co-crystal is increased as compared to the API;
- (k) the dissolution of the co-crystal is increased as compared to the API;
- (l) the bioavailability of the co-crystal is increased as compared to the API;
- (m) the stability of the co-crystal is increased as compared to the API;
- (n) a difficult to salt or unsaltable API is incorporated into the co-crystal;
- (o) the hygroscopicity of the co-crystal is decreased as compared to the API;
- (p) an amorphous API is crystallized as a component of the co-crystal;
- (q) the form diversity of the co-crystal is decreased as compared to the API; or
- (r) the morphology of the co-crystal is modulated as compared to the API.
- 3. A pharmaceutical co-crystal composition, comprising: an API, a co-crystal former, and a third molecule; wherein the API is a liquid or a solid at room temperature and the co-crystal former is a solid at room temperature, and wherein the API and the third molecule are bonded to each other, and further wherein the co-crystal former and the third molecule are hydrogen bonded to each other.
- 4. The pharmaceutical co-crystal composition according to claim 3, wherein:
 - (a) the co-crystal former is selected from a co-crystal former of Table I or Table II;
 - (b) the API is selected from an API of Table IV;
 - (c) the API is selected from an API of Table IV and the co-crystal former is selected from a co-crystal former of Table I or Table II;
 - (d) the API is a liquid at room temperature;
 - (e) the API is a solid at room temperature;
 - (f) the API has at least one functional group selected from the group consisting of ether, thioether, alcohol, thiol, aldehyde, ketone,

thioketone, nitrate ester, phosphate ester, thiophosphate ester, ester, thioester, sulfate ester, carboxylic acid, phosphonic acid, phosphinic acid, sulfonic acid, amide, primary amine, secondary amine, ammonia, tertiary amine, sp2 amine, thiocyanate, cyanamide, oxime, nitrile, diazo, organohalide, nitro, s-heterocyclic ring, thiophene, n-heterocyclic ring, pyrrole, o-heterocyclic ring, furan, epoxide, peroxide, hydroxamic acid, imidazole, and pyridine;

- the co-crystal former has at least one functional group selected from the group consisting of ether, thioether, alcohol, thiol, aldehyde, ketone, thioketone, nitrate ester, phosphate ester, thiophosphate ester, ester, thioester, sulfate ester, carboxylic acid, phosphonic acid, phosphinic acid, sulfonic acid, amide, primary amine, secondary amine, ammonia, tertiary amine, sp2 amine, thiocyanate, cyanamide, oxime, nitrile diazo, organohalide, nitro, s-heterocyclic ring, thiophene, n-heterocyclic ring, pyrrole, o-heterocyclic ring, furan, epoxide, peroxide, hydroxamic acid, imidazole, and pyridine; or
- (h) the difference in pK_a between the API and the co-crystal former does not exceed 2;
- (i) the solubility of the co-crystal is increased as compared to the API;
- (j) the dose response of the co-crystal is increased as compared to the API;
- (k) the dissolution of the co-crystal is increased as compared to the API;
- (l) the bioavailability of the co-crystal is increased as compared to the API;
- (m) the stability of the co-crystal is increased as compared to the API;
- (n) a difficult to salt or unsaltable API is incorporated into the co-crystal;
- (o) the hygroscopicity of the co-crystal is decreased as compared to the API;
- (p) an amorphous API is crystallized as a component of the co-crystal;
- (q) the form diversity of the co-crystal is decreased as compared to the API; or
- (r) the morphology of the co-crystal is modulated as compared to the API.

- 5. A pharmaceutical co-crystal composition, comprising: a first and a second API, wherein each API is either a liquid or a solid at room temperature, and wherein the APIs are hydrogen bonded to a molecule.
- 6. The pharmaceutical co-crystal composition according to claim 5, wherein:
 - (a) the first API is hydrogen bonded to the second API;
 - (b) an API is selected from an API of Table IV;
 - (c) each API is selected from an API of Table IV;
 - (d) an API is a liquid at room temperature and the other API is a solid at room temperature;
 - (e) each API is a solid at room temperature;
 - (f) an API has at least one functional group selected from the group consisting of ether, thioether, alcohol, thiol, aldehyde, ketone, thioketone, nitrate ester, phosphate ester, thiophosphate ester, ester, thioester, sulfate ester, carboxylic acid, phosphonic acid, phosphinic acid, sulfonic acid, amide, primary amine, secondary amine, ammonia, tertiary amine, sp2 amine, thiocyanate, cyanamide, oxime, nitrile, diazo, organohalide, nitro, s-heterocyclic ring, thiophene, n-heterocyclic ring, pyrrole, o-heterocyclic ring, furan, epoxide, peroxide, hydroxamic acid, imidazole, and pyridine;
 - (g) each API has at least one functional group selected from the group consisting of ether, thioether, alcohol, thiol, aldehyde, ketone, thioketone, nitrate ester, phosphate ester, thiophosphate ester, ester, thioester, sulfate ester, carboxylic acid, phosphonic acid, phosphinic acid, sulfonic acid, amide, primary amine, secondary amine, ammonia, tertiary amine, sp2 amine, thiocyanate, cyanamide, oxime, nitrile, diazo, organohalide, nitro, s-heterocyclic ring, thiophene, n-heterocyclic ring, pyrrole, o-heterocyclic ring, furan, epoxide, peroxide, hydroxamic acid, imidazole, and pyridine;
 - (h) the difference in pK_a between the first API and the second API does not exceed 2;
 - (i) the solubility of the co-crystal is increased as compared to the API;
 - (j) the dose response of the co-crystal is increased as compared to the API;

- (k) the dissolution of the co-crystal is increased as compared to the API;
- (I) the bioavailability of the co-crystal is increased as compared to the API;
- (m) the stability of the co-crystal is increased as compared to the API;
- (n) a difficult to salt or unsaltable API is incorporated into the co-crystal;
- (o) the hygroscopicity of the co-crystal is decreased as compared to the API;
- (p) an amorphous API is crystallized as a component of the co-crystal;
- (q) the form diversity of the co-crystal is decreased as compared to the API; or
- (r) the morphology of the co-crystal is modulated as compared to the API.
- 7. A pharmaceutical co-crystal composition, comprising: a first and a second co-crystal former, wherein each co-crystal former is a solid at room temperature, and wherein both co-crystal formers are hydrogen bonded to a molecule.
- 8. The pharmaceutical co-crystal composition according to claim 7, wherein:
 - (a) the first co-crystal former is hydrogen bonded to the second cocrystal former;
 - (b) a co-crystal former is selected from a co-crystal former of Table I or Table II;
 - (c) each co-crystal former is selected from a co-crystal former of Table I or Table II;
 - (d) a co-crystal former has at least one functional group selected from the group consisting of ether, thioether, alcohol, thiol, aldehyde, ketone, thioketone, nitrate ester, phosphate ester, thiophosphate ester, ester, thioester, sulfate ester, carboxylic acid, phosphonic acid, phosphinic acid, sulfonic acid, amide, primary amine, secondary amine, ammonia, tertiary amine, sp2 amine, thiocyanate, cyanamide, oxime, nitrile, diazo, organohalide, nitro, s-heterocyclic ring, thiophene, n-heterocyclic ring, pyrrole, o-heterocyclic ring, furan, epoxide, peroxide, hydroxamic acid, imidazole, and pyridine;

- (e) each co-crystal former has at least one functional group selected from the group consisting of ether, thioether, alcohol, thiol, aldehyde, ketone, thioketone, nitrate ester, phosphate ester, thiophosphate ester, ester, thioester, sulfate ester, carboxylic acid, phosphonic acid, phosphinic acid, sulfonic acid, amide, primary amine, secondary amine, ammonia, tertiary amine, sp2 amine, thiocyanate, cyanamide, oxime, nitrile, diazo, organohalide, nitro, s-heterocyclic ring, thiophene, n-heterocyclic ring, pyrrole, o-heterocyclic ring, furan, epoxide, peroxide, hydroxamic acid, imidazole, and pyridine;
- (f) the difference in pK_a between the first co-crystal former and the second co-crystal former does not exceed 2;
- (g) the solubility of the co-crystal is increased as compared to the API;
- (h) the dose response of the co-crystal is increased as compared to the API;
- (i) the dissolution of the co-crystal is increased as compared to the API;
- (j) the bioavailability of the co-crystal is increased as compared to the API;
- (k) the stability of the co-crystal is increased as compared to the API;
- (l) a difficult to salt or unsaltable API is incorporated into the co-crystal;
- (m) the hygroscopicity of the co-crystal is decreased as compared to the API:
- (n) an amorphous API is crystallized as a component of the co-crystal;
- (o) the form diversity of the co-crystal is decreased as compared to the API; or
- (p) the morphology of the co-crystal is modulated as compared to the API.
- 9. The pharmaceutical co-crystal composition according to claim 1, wherein the API is selected from celecoxib, carbamazepine, itraconazole, olanzapine, topiramate, modafinil, 5-fluorouracil, hydrochlorothiazide, acetaminophen, aspirin, flurbiprofen, phenytoin, or ibuprofen.
- 10. The pharmaceutical co-crystal composition according to claim 1, further comprising a pharmaceutically acceptable diluent, excipient, or carrier.

- 11. A co-crystal comprising an API and a co-crystal former selected from:
 - (a) carbamazepine and saccharin;
 - (b) carbamazepine and nicotinamide;
 - (c) carbamazepine and trimesic acid;
 - (d) celecoxib and nicotinamide;
 - (e) olanzapine and nicotinamide;
 - (f) celecoxib and 18-crown-6;
 - (g) itraconazole and succinic acid;
 - (h) itraconazole and fumaric acid;
 - (i) itraconazole and tartaric acid;
 - (j) itraconazole and malic acid;
 - (k) itraconazoleHCl and tartaric acid;
 - (l) modafinil and malonic acid;
 - (m) modafinil and benzamide;
 - (n) modafinil and mandelic acid;
 - (o) modafinil and glycolic acid;
 - (p) modafinil and fumaric acid;
 - (q) modafinil and maleic acid;
 - (r) topiramate and 18-crown-6;
 - (s) 5-fluorouracil and urea;
 - (t) hydrochlorothiazide and nicotinic acid;
 - (u) hydrochlorothiazide and 18-crown-6;
 - (v) hydrochlorothiazide and piperazine;
 - (w) acetaminophen and 4,4'-bipyridine;
 - (x) phenytoin and pyridone;
 - (y) aspirin and 4,4'-bipyridine;
 - (z) ibuprofen and 4,4'-bipyridine;
 - (aa) flurbiprofen and 4,4'-bipyridine;
 - (bb) flurbiprofen and trans-1,2-bis(4-pyridyl) ethylene;
 - (cc) carbamazepine and p-phthalaldehyde;
 - (dd) carbamazepine and 2,6-pyridinecarboxylic acid;
 - (ee) carbamazepine and 5-nitroisophthalic acid;
 - (ff) carbamazepine and 1,3,5,7-adamantane tetracarboxylic acid; or

- (gg) carbamazepine and benzoquinone.
- 12. A process for preparing a pharmaceutical co-crystal composition comprising an API and a co-crystal former, comprising:
 - (a) providing an API and a co-crystal former, wherein the API is a liquid or a solid at room temperature and the co-crystal former is a solid at room temperature;
 - (b) grinding, heating, or contacting in solution the API with the cocrystal former under crystallization conditions, so as to form a solid phase, wherein the API and co-crystal former are hydrogen bonded to each other;
 - (c) isolating co-crystals formed thereby; and
 - (d) incorporating the co-crystals into a pharmaceutical composition.
- 13. The process of claim 12, wherein:
 - (a) the co-crystal former is selected from a co-crystal former of Table I or Table II;
 - (b) the API is selected from an API of Table IV;
 - (c) the API is selected from an API of Table IV and the co-crystal former is selected from a co-crystal former of Table I or Table II;
 - (d) the API is a liquid at room temperature;
 - (e) the API is a solid at room temperature;
 - the API has at least one functional group selected from the group consisting of ether, thioether, alcohol, thiol, aldehyde, ketone, thioketone, nitrate ester, phosphate ester, thiophosphate ester, ester, thioester, sulfate ester, carboxylic acid, phosphonic acid, phosphinic acid, sulfonic acid, amide, primary amine, secondary amine, ammonia, tertiary amine, sp2 amine, thiocyanate, cyanamide, oxime, nitrile, diazo, organohalide, nitro, s-heterocyclic ring, thiophene, n-heterocyclic ring, pyrrole, o-heterocyclic ring, furan, epoxide, peroxide, hydroxamic acid, imidazole, and pyridine;
 - (g) the co-crystal former has at least one functional group selected from the group consisting of ether, thioether, alcohol, thiol, aldehyde, ketone, thioketone, nitrate ester, phosphate ester, thiophosphate ester,

ester, thioester, sulfate ester, carboxylic acid, phosphonic acid, phosphinic acid, sulfonic acid, amide, primary amine, secondary amine, ammonia, tertiary amine, sp2 amine, thiocyanate, cyanamide, oxime, nitrile diazo, organohalide, nitro, s-heterocyclic ring, thiophene, n-heterocyclic ring, pyrrole, o-heterocyclic ring, furan, epoxide, peroxide, hydroxamic acid, imidazole, and pyridine; or

- (h) the difference in pK_a between the API and the co-crystal former does not exceed 2.
- 14. A process for preparing a pharmaceutical co-crystal composition comprising an API, a co-crystal former, and a third molecule, comprising:
 - (a) providing an API and a co-crystal former, wherein the API is a liquid or a solid at room temperature and the co-crystal former is a solid at room temperature;
 - (b) grinding, heating, or contacting in solution the API with the cocrystal former under crystallization conditions, so as to form a solid phase, wherein the API and the third molecule are bonded to each other, and further wherein the co-crystal former and the third molecule are hydrogen bonded to each other;
 - (c) isolating co-crystals formed thereby; and
 - (d) incorporating the co-crystals into a pharmaceutical composition.
- 15. The process of claim 14, wherein:
 - (a) the co-crystal former is selected from a co-crystal former of Table I or Table II;
 - (b) the API is selected from an API of Table IV;
 - (c) the API is selected from an API of Table IV and the co-crystal former is selected from a co-crystal former of Table I or Table II;
 - (d) the API is a liquid at room temperature;
 - (e) the API is a solid at room temperature;
 - (f) the API has at least one functional group selected from the group consisting of ether, thioether, alcohol, thiol, aldehyde, ketone, thioketone, nitrate ester, phosphate ester, thiophosphate ester, ester, thioester, sulfate ester, carboxylic acid, phosphonic acid, phosphinic

- acid, sulfonic acid, amide, primary amine, secondary amine, ammonia, tertiary amine, sp2 amine, thiocyanate, cyanamide, oxime, nitrile, diazo, organohalide, nitro, s-heterocyclic ring, thiophene, n-heterocyclic ring, pyrrole, o-heterocyclic ring, furan, epoxide, peroxide, hydroxamic acid, imidazole, and pyridine;
- the co-crystal former has at least one functional group selected from the group consisting of ether, thioether, alcohol, thiol, aldehyde, ketone, thioketone, nitrate ester, phosphate ester, thiophosphate ester, ester, thioester, sulfate ester, carboxylic acid, phosphonic acid, phosphinic acid, sulfonic acid, amide, primary amine, secondary amine, ammonia, tertiary amine, sp2 amine, thiocyanate, cyanamide, oxime, nitrile diazo, organohalide, nitro, s-heterocyclic ring, thiophene, n-heterocyclic ring, pyrrole, o-heterocyclic ring, furan, epoxide, peroxide, hydroxamic acid, imidazole, and pyridine; or
- (h) the difference in pK_a between the API and the co-crystal former does not exceed 2.
- 16. A process for preparing a pharmaceutical co-crystal composition comprising a first and a second API, comprising:
 - (a) providing a first and a second API, wherein each API is either a liquid or a solid at room temperature;
 - (b) grinding, heating, or contacting in solution the APIs under crystallization conditions, so as to form a solid phase, wherein the APIs are hydrogen bonded to a molecule;
 - (c) isolating co-crystals formed thereby; and
 - (d) incorporating the co-crystals into a pharmaceutical composition.
- 17. The process of claim 16, wherein:
 - (a) the first API is hydrogen bonded to the second API;
 - (b) an API is selected from an API of Table IV;
 - (c) each API is selected from an API of Table IV;
 - (d) an API is a liquid at room temperature and the other API is a solid at room temperature;
 - (e) each API is a solid at room temperature;

- (f) an API has at least one functional group selected from the group consisting of ether, thioether, alcohol, thiol, aldehyde, ketone, thioketone, nitrate ester, phosphate ester, thiophosphate ester, ester, thioester, sulfate ester, carboxylic acid, phosphonic acid, phosphinic acid, sulfonic acid, amide, primary amine, secondary amine, ammonia, tertiary amine, sp2 amine, thiocyanate, cyanamide, oxime, nitrile, diazo, organohalide, nitro, s-heterocyclic ring, thiophene, n-heterocyclic ring, pyrrole, o-heterocyclic ring, furan, epoxide, peroxide, hydroxamic acid, imidazole, and pyridine;
- (g) each API has at least one functional group selected from the group consisting of ether, thioether, alcohol, thiol, aldehyde, ketone, thioketone, nitrate ester, phosphate ester, thiophosphate ester, ester, thioester, sulfate ester, carboxylic acid, phosphonic acid, phosphinic acid, sulfonic acid, amide, primary amine, secondary amine, ammonia, tertiary amine, sp2 amine, thiocyanate, cyanamide, oxime, nitrile, diazo, organohalide, nitro, s-heterocyclic ring, thiophene, n-heterocyclic ring, pyrrole, o-heterocyclic ring, furan, epoxide, peroxide, hydroxamic acid, imidazole, and pyridine; or
- (h) the difference in pK_a between the first API and the second API does not exceed 2.
- 18. A process for preparing a pharmaceutical co-crystal composition comprising a first and a second co-crystal former, comprising:
 - (a) providing a first and a second co-crystal former, wherein each cocrystal former is a solid at room temperature;
 - (b) grinding, heating, or contacting in solution the co-crystal formers under crystallization conditions, so as to form a solid phase, wherein both co-crystal formers are hydrogen bonded to a molecule;
 - (c) isolating co-crystals formed thereby; and
 - (d) incorporating the co-crystals into a pharmaceutical composition.
- 19. The process of claim 18, wherein:
 - (a) the first co-crystal former is hydrogen bonded to the second cocrystal former;

- (b) a co-crystal former is selected from a co-crystal former of Table I or Table II;
- (c) each co-crystal former is selected from a co-crystal former of Table I or Table II;
- (d) a co-crystal former has at least one functional group selected from the group consisting of ether, thioether, alcohol, thiol, aldehyde, ketone, thioketone, nitrate ester, phosphate ester, thiophosphate ester, ester, thioester, sulfate ester, carboxylic acid, phosphonic acid, phosphinic acid, sulfonic acid, amide, primary amine, secondary amine, ammonia, tertiary amine, sp2 amine, thiocyanate, cyanamide, oxime, nitrile, diazo, organohalide, nitro, s-heterocyclic ring, thiophene, n-heterocyclic ring, pyrrole, o-heterocyclic ring, furan, epoxide, peroxide, hydroxamic acid, imidazole, and pyridine;
- (e) each co-crystal former has at least one functional group selected from the group consisting of ether, thioether, alcohol, thiol, aldehyde, ketone, thioketone, nitrate ester, phosphate ester, thiophosphate ester, ester, thioester, sulfate ester, carboxylic acid, phosphonic acid, phosphinic acid, sulfonic acid, amide, primary amine, secondary amine, ammonia, tertiary amine, sp2 amine, thiocyanate, cyanamide, oxime, nitrile, diazo, organohalide, nitro, s-heterocyclic ring, thiophene, n-heterocyclic ring, pyrrole, o-heterocyclic ring, furan, epoxide, peroxide, hydroxamic acid, imidazole, and pyridine; or
- (f) the difference in pK_a between the first co-crystal former and the second co-crystal former does not exceed 2.
- 20. The process of claim 12, wherein the API is selected from celecoxib, carbamazepine, itraconazole, olanzapine, topiramate, modafinil, 5-fluorouracil, hydrochlorothiazide, acetaminophen, aspirin, flurbiprofen, phenytoin, or ibuprofen.
- 21. The process of claim 12, further comprising: incorporating a pharmaceutically acceptable diluent, excipient, or carrier.
- 22. A process of preparing a co-crystal comprising an API and a co-crystal former, comprising:

- (a) providing an API and a co-crystal former;
- (b) grinding, heating, or contacting in solution the API with the cocrystal former under crystallization conditions, so as to form a solid phase; and
- (c) isolating co-crystals formed thereby;

wherein the API and the co-crystal former are selected from carbamazepine and saccharin, carbamazepine and nicotinamide, carbamazepine and trimesic acid, celecoxib and nicotinamide, olanzapine and nicotinamide, celecoxib and 18-crown-6, itraconazole and succinic acid, itraconazole and fumaric acid, itraconazole and tartaric acid, itraconazole and malic acid, itraconazole and tartaric acid, modafinil and malonic acid, modafinil and benzamide, modafinil and mandelic acid, modafinil and glycolic acid, modafinil and fumaric acid, modafinil and maleic acid, topiramate and 18-crown-6, 5-fluorouracil and urea, hydrochlorothiazide and nicotinic acid, hydrochlorothiazide and 18-crown-6, hydrochlorothiazide and piperazine, acetaminophen and 4,4'-bipyridine, phenytoin and pyridone, aspirin and 4,4'-bipyridine, ibuprofen and 4,4'-bipyridine, flurbiprofen and trans-1,2-bis(4-pyridyl) ethylene, carbamazepine and p-phthalaldehyde, carbamazepine and 2,6-pyridinecarboxylic acid, carbamazepine and 5-nitroisophthalic acid, carbamazepine and 1,3,5,7-adamantane tetracarboxylic acid, or carbamazepine and benzoquinone.

- 23. A process for modulating the solubility of an API for use in a pharmaceutical composition, which process comprises:
 - (a) contacting in solution the API with a co-crystal forming compound under crystallization conditions, so as to form a co-crystal of the API and the co-crystal forming compound;
 - (b) isolating the co-crystal, wherein the co-crystal has a modulated solubility as compared to the API; and
 - (c) incorporating the co-crystal having modulated solubility into a pharmaceutical composition.
- 24. The process of claim 23, wherein the solubility of the co-crystal is increased as compared to the API.

- 25. A process for modulating the dose response of an API for use in a pharmaceutical composition, which process comprises:
 - (a) contacting in solution the API with a co-crystal forming compound under crystallization conditions, so as to form a co-crystal of the API and the co-crystal forming compound;
 - (b) isolating the co-crystal, wherein the co-crystal has a modulated dose response as compared to the API; and
 - (c) incorporating the co-crystal having modulated dose response into a pharmaceutical composition.
- 26. The process of claim 25, wherein the dose response of the co-crystal is increased as compared to the API.
- 27. A process for modulating the dissolution of an API for use in a pharmaceutical composition, which process comprises:
 - (a) contacting in solution the API with a co-crystal forming compound under crystallization conditions, so as to form a co-crystal of the API and the co-crystal forming compound;
 - (b) isolating the co-crystal, wherein the co-crystal has a modulated dissolution as compared to the API; and
 - (c) incorporating the co-crystal having modulated dissolution into a pharmaceutical composition.
- 28. The process of claim 27, wherein the dissolution of the co-crystal is increased as compared to the API.
- 29. A process for modulating the bioavailability of an API for use in a pharmaceutical composition, which process comprises:
 - (a) contacting in solution the API with a co-crystal forming compound under crystallization conditions, so as to form a co-crystal of the API and the co-crystal forming compound;
 - (b) isolating the co-crystal, wherein the co-crystal has a modulated bioavailability as compared to the API; and

- (c) incorporating the co-crystal having modulated bioavailability into a pharmaceutical composition.
- 30. The process of claim 29, wherein the bioavailability of the co-crystal is increased as compared to the API.
- 31. A process for increasing the stability of an API for use in a pharmaceutical composition, which process comprises:
 - (a) contacting in solution the API with a co-crystal forming compound under crystallization conditions, so as to form a co-crystal of the API and the co-crystal forming compound;
 - (b) isolating the co-crystal, wherein the co-crystal has increased stability as compared to the API; and
 - (c) incorporating the co-crystal having increased stability into a pharmaceutical composition.
- 32. A process for the incorporation of a difficult to salt or unsaltable API for use in a pharmaceutical composition, which process comprises:
 - (a) contacting in solution the API with a co-crystal forming compound under crystallization conditions, so as to form a co-crystal of the API and the co-crystal forming compound;
 - (b) isolating the co-crystal;
 - (c) incorporating the co-crystal having a difficult to salt or unsaltable API into a pharmaceutical composition.
- 33. A process for decreasing the hygroscopicity of an API for use in a pharmaceutical composition, which process comprises:
 - (a) contacting in solution the API with a co-crystal forming compound under crystallization conditions, so as to form a co-crystal of the API and the co-crystal forming compound;
 - (b) isolating the co-crystal, wherein the co-crystal has decreased hygroscopicity as compared to the API; and
 - (c) incorporating the co-crystal having decreased hygroscopicity into a pharmaceutical composition.

- 34. A process for crystallizing an amorphous API for use in a pharmaceutical composition, which process comprises:
 - (a) contacting in solution the API with a co-crystal forming compound under crystallization conditions, so as to form a co-crystal of the API and the co-crystal forming compound;
 - (b) isolating the co-crystal;
 - (c) incorporating the co-crystal into a pharmaceutical composition.
- 35. A process for decreasing the form diversity of an API for use in a pharmaceutical composition, which process includes:
 - (a) contacting in solution the API with a co-crystal forming compound under crystallization conditions, so as to form a co-crystal of the API and the co-crystal forming compound;
 - (b) isolating the co-crystal, wherein the co-crystal has decreased form diversity as compared to the API; and
 - (c) incorporating the co-crystal having decreased form diversity into a pharmaceutical composition.
- 36. A process for modulating the morphology of an API for use in a pharmaceutical composition, which process includes:
 - (a) contacting in solution the API with a co-crystal forming compound under crystallization conditions, so as to form a co-crystal of the API and the co-crystal forming compound;
 - (b) isolating the co-crystal, wherein the co-crystal has a different morphology as compared to the API; and
 - (c) incorporating the co-crystal having modulated morphology into a pharmaceutical composition.
- 37. The co-crystal of claim 1, specifically excluding a co-crystal selected from the group consisting of: nabumetone:2,3-naphthalenediol, fluoxetine HCl:benzoic acid, fluoxetine HCl:succinic acid, acetaminophen:piperazine, acetaminophen:theophylline, theophylline:salicylic acid, theophylline:p-hydroxybenzoic acid, theophylline:sorbic acid, theophylline:1-hydroxy-2-naphthoic acid, theophylline:glycolic acid,

theophylline:2,5-dihydroxybenzoic acid, theophylline:chloroacetic acid, bis(diphenylhydantoin):9-ethyladenine acetylacetone solvate, bis(diphenylhydantoin):9ethyladenine 2,4-pentanedione solvate, 5,5-diphenylbarbituric acid:9-ethyladenine, bis(diphenylhydantoin):9-ethyladenine, 4-aminobenzoic acid:4-aminobenzonitrile, sulfadimidine:salicylic acid, 8-hydroxyquinolinium 4-nitrobenzoate:4-nitrobenzoic acid, sulfaproxyline:caffeine, retro-inverso-isopropyl (2R,3S)-4-cyclohexyl-2-hydroxy-3-(N-((2R)-2-morpholinocarbonylmethyl-3-(1-naphthyl)propionyl)-Lhistidylamino)butyrate:cinnamic acid monohydrate, benzoic acid:isonicotinamide, 3-(2-N',N'-(dimethylhydrazino)-4-thiazolylmethylthio)-N''sulfamoylpropionamidine:maleic acid, diglycine hydrochloride (C₂H₅NO₂:C₂H₆NO₂⁺Cl⁻), octadecanoic acid:3-pyridinecarboxamide, cis-N-(3-methyl-1-(2-(1,2,3,4tetrahydro)naphthyl)-piperidin-4-yl)-N-phenylpropanamide hydrochloride:oxalic acid, trans-N-(3-methyl-1-(2-(1,2,3,4-tetrahydro)naphthyl)-piperidin-4-ylium)-Nphenylpropanamide oxalate:oxalic acid dihydrate, bis(1-(3-((4-(2-isopropoxyphenyl)-1piperazinyl)methyl)benzoyl)piperidine) succinate:succinic acid, bis(pcyanophenyl)imidazolylmethane:succinic acid, cis-1-((4-(1imidazolylmethyl)cyclohexyl)methyl)imidazole:succinic acid, (+)-2-(5.6-dimethoxy-1,2,3,4-tetrahydro-1-naphthyl)imidazoline:(+)-dibenzoyl-D-tartaric acid, raclopride:tartaric acid, 2,6-diamino-9-ethylpurine:5,5-diethylbarbituric acid, 5,5diethylbarbituric acid:bis(2-aminopyridine), 5,5-diethylbarbituric acid:acetamide, 5,5diethylbarbituric acid:KI₃, 5,5-diethylbarbituric acid:urea, bis(barbital):hexamethylphosphoramide, 5,5-diethylbarbituric acid:imidazole, barbital:1-methylimidazole, 5,5-diethylbarbituric acid:N-methyl-2-pyridone, 2,4diamino-5-(3,4,5-trimethoxybenzyl)-pyrimidine:5,5-diethylbarbituric acid, bis(barbital):caffeine, bis(barbital):1-methylimidazole, bis(betacyclodextrin):bis(barbital) hydrate, tetrakis(beta-cyclodextrin):tetrakis(barbital), 9ethyladenine:5,5-diethylbarbituric acid, barbital:N'-(p-cyanophenyl)-N-(piodophenyl)melamine, barbital:2-amino-4-(m-bromophenylamino)-6-chloro-1,3,5triazine, 5,5-diethylbarbituric acid:N,N'-diphenylmelamine, 5,5-diethylbarbituric acid:N,N'-bis(p-chlorophenyl)melamine, N,N'-bis(p-bromophenyl)melamine:5,5diethylbarbituric acid, 5,5-diethylbarbituric acid:N,N'-bis(p-iodophenyl)melamine, 5,5diethylbarbituric acid:N,N'-bis(p-tolyl)melamine, 5,5-diethylbarbituric acid:N,N'bis(m-tolyl)melamine, 5,5-diethylbarbituric acid:N,N'-bis(m-chlorophenyl)melamine, N,N'-Bis(m-methylphenyl)melamine:barbital, N,N'-bis(mchlorophenyl)melamine:barbital tetrahydrofuran solvate, 5,5-diethylbarbituric acid:N,N'-bis(t-butyl)melamine, 5,5-diethylbarbituric acid:N,N'-di(t-butyl)melamine, 6,6'-diquinolyl ether:5,5-diethylbarbituric acid, 5-t-butyl-2,4,6triaminopyrimidine: diethylbarbituric acid, N,N'-bis(4carboxymethylphenyl)melamine:barbital ethanol solvate, N,N'-bis(4-tbutylphenyl)melamine:barbital, tris(5,17-N,N'-bis(4-amino-6-(butylamino)-1,3,5triazin-2-yl)diamino-11,23-dinitro-25,26,27,28tetrapropoxycalix(4)arene):hexakis(diethylbarbituric acid) toluene solvate, N,N'-bis(mfluorophenyl)melamine:barbital, N,N'-bis(m-bromophenyl)melamine:barbital acetone solvate, N,N'-bis(m-iodophenyl)melamine:barbital acetonitrile solvate, N,N'-bis(mtrifluoromethylphenyl)melamine:barbital acetonitrile solvate, aminopyrine:barbital, N,N'-bis(4-fluorophenyl)melamine:barbital, N,N'-bis(4trifluoromethylphenyl)melamine:barbital, 2,4-diamino-5-(3,4,5trimethoxybenzyl)pyrimidine:barbital, hydroxybutyrate:hydroxyvalerate, 2aminopyrimidine:succinic acid, 1,3-bis(((6-methylpyrid-2yl)amino)carbonyl)benzene:glutaric acid, 5-t-butyl-2,4,6triaminopyrimidine:diethylbarbituric acid, bis(dithiobiuret-S,S')nickel(II):diuracil, platinum 3,3'-dihydroxymethyl-2,2'-bipyridine dichloride:AgF₃CSO₃, 4,4'bipyridyl:isophthalic acid, 4,4'-bipyridyl:1,4-naphthalenedicarboxylic acid, 4,4'bipyridyl:1,3,5-cyclohexane-tricarboxylic acid, 4,4'-bipyridyl:tricaballylic acid, urotropin:azelaic acid, insulin:C8-HI (octanoyl-Ne-LysB29-human insulin), isonicotinamide: cinnamic acid, isonicotinamide: 3-hydroxybenzoic acid, isonicotinamide: 3-N,N-dimethylaminobenzoic acid, isonicotinamide: 3,5bis(trifluoromethyl)-benzoic acid, isonicotinamide:d,l-mandelic acid, isonicotinamide:chloroacetic acid, isonicotinamide:fumaric acid monoethyl ester, isonicotinamide:12-bromododecanoic acid, isonicotinamide:fumaric acid, isonicotinamide:succinic acid, isonicotinamide:4-ketopimelic acid, isonicotinamide:thiodiglycolic acid, 1,3,5-cyclohexane-tricarboxylic acid:hexamethyltetramine, 1,3,5-cyclohexane-tricarboxylic acid:4,7-phenanthroline, 4,7phenanthroline:oxalic acid, 4,7-phenanthroline:terephthalic acid, 4,7-phenanthroline: 1,3,5-cyclohexane-tricarboxylic acid, 4,7-phenanthroline:1,4-naphthalenedicarboxylic acid, pyrazine:methanoic acid, pyrazine:ethanoic acid, pyrazine:propanoic acid, pyrazine:butanoic acid, pyrazine:pentanoic acid, pyrazine:hexanoic acid, pyrazine:heptanoic acid, pyrazine:octanoic acid, pyrazine:nonanoic acid,

pyrazine:decanoic acid, diammine-(deoxy-quanyl-quanyl-N⁷,N⁷)-platinum:tris(glycine) hydrate, 2-aminopyrimidine:p-phenylenediacetic acid, bis(2-aminopyrimidin-1ium)fumarate:fumaric acid, 2-aminopyrimidine:indole-3-acetic acid, 2aminopyrimidine:N-methylpyrrole-2-carboxylic acid, 2-aminopyrimidine:thiophen-2carboxylic acid, 2-aminopyrimidine:(+)-camphoric acid, 2,4,6-Trinitrobenzoic acid: 2aminopyrimidine, 2-aminopyrimidine: 4-aminobenzoic acid, 2aminopyrimidine:bis(phenoxyacetic acid), 2-aminopyrimidine:(2,4dichlorophenoxy)acetic acid, 2-aminopyrimidine:(3,4-dichlorophenoxy)acetic acid, 2aminopyrimidine:indole-2-carboxylic acid, 2-aminopyrimidine:terephthalic acid, 2aminopyrimidine:bis(2-nitrobenzoic acid), 2-aminopyrimidine:bis(2-aminobenzoic acid), 2-aminopyrimidine:3-aminobenzoic acid, 2-hexeneoic acid:isonicotinamide, 4nitrobenzoic acid:isonicotinamide, 3.5-dinitrobenzoic acid:isonicotinamide:4methylbenzoic acid, 2-amino-5-nitropyrimidine: 2-amino-3-nitropyridine, 3,5dinitrobenzoic acid:4-chlorobenzamide, 3-dimethylaminobenzoic acid:4chlorobenzamide, fumaric acid:4-chlorobenzamide, oxine:4-nitrobenzoic acid, oxine:3,5-dinitrobenzoic acid, oxine:3,5-dinitrosalicylic acid, 3-[2-(N',N'dimethylhydrazino)-4-thiazolylmethylthio]-N²-sulfamoylpropionamidine:maleic acid, 5fluorouracil:9-ethylhypoxanthine, 5-fluorouracil:cytosine dihydrate, 5fluorouracil:theophylline monohydrate, stearic acid:nicotinamide, cis-1-{[4-(1imidazolylmethyl)cyclohexyl]methyl}imidazole:succinic acid, CGS18320B:succinic acid, sulfaproxyline:caffeine, 4-aminobenzoic acid:4-aminobenzonitrile, 3,5dinitrobenzoic acid:isonicotinamide:3-methylbenzoic acid, 3,5-dinitrobenzoic acid:isonicotinamide:4-(dimethylamino)benzoic acid, 3,5-dinitrobenzoic acid:isonicotinamide:4-hydroxy-3-methoxycinnamic acid, isonicotinamide:oxalic acid, isonicotinamide:malonic acid, isonicotinamide:succinic acid, isonicotinamide:glutaric acid, isonicotinamide:adipic acid, benzoic acid:isonicotinamide, mazapertine:succinate, betaine:dichloronitrophenol, betainepyridine:dichloronitrophenol, betainepyridine:pentachlorophenol, 4-{2-[1-(2-hydroxyethyl)-4-pyridylidene]ethylidene}-cyclo-hexa-2,5-dien-1-one:methyl 2,4-dihydroxybenzoate, 4-{2-[1-(2hydroxyethyl)-4-pyridylidene]-ethylidene}-cyclo-hexa-2,5-dien-1-one:2,4dihydroxypropiophenone, 4-{2-[1-(2-hydroxyethyl)-4-pyridylidene]-ethylidene}-cyclohexa-2,5-dien-1-one:2,4-dihydroxyacetophenone, squaric acid:4,4'-dipyridylacetylene, squaric acid:1,2-bis(4-pyridyl)ethylene, chloranilic acid:1,4-bis[(4pyridyl)ethynyl]benzene, 4,4'-bipyridine:phthalic acid, 4,4'-dipyridylacetylene:phthalic

acid, bis(pentamethylcyclopentadienyl)iron:bromanilic acid, bis(pentamethylcyclopentadienyl)iron:chloranilic acid, bis(pentamethylcyclopentadienyl)iron:cyananilic acid, pyrazinotetrathiafulvalene:chloranilic acid, phenol:pentafluorophenol, co-crystals of itraconazole, and co-crystals of topiramate.

Abstract

A pharmaceutical composition comprising a co-crystal of an API and a co-crystal

former; wherein the API has at least one functional group selected from ether, thioether, alcohol, thiol, aldehyde, ketone, thioketone, nitrate ester, phosphate ester, thiophosphate ester, ester, thioester, sulfate ester, carboxylic acid, phosphonic acid, phosphinic acid, sulfonic acid, amide, primary amine, secondary amine, ammonia, tertiary amine, sp2 amine, thiocyanate, cyanamide, oxime, nitrile diazo, organohalide, nitro, s-heterocyclic ring, thiophene, n-heterocyclic ring, pyrrole, o-heterocyclic ring, furan, epoxide, peroxide, hydroxamic acid, imidazole, pyridine and the co-crystal former has at least one functional group selected from amine, amide, pyridine, imidazole, indole, pyrrolidine, carbonyl, carboxyl, hydroxyl, phenol, sulfone, sulfonyl, mercapto and methyl thio, such that the API and co-crystal former are capable of co-crystallizing from a solution phase under crystallization conditions.

CLARATION (37 CFR §1.63) FOR UTILITY OR	Attorn y Dock t Number	Pr TPI-350C1
DESIGN PATENT APPLICATION USING AN	First Named Inventor	Örn Almarsson
APPLICATION DATA SHEET (37 C.F.R. § 1.76)	COMF	PLETE IF KNOWN
	Application Number	
Declaration Declaration	Filing Date	September 11, 2003
Submitted OR Submitted after Initial with Initial Filing (surcharge	Group Art Unit	
Filing (37 ČFR 1.16 (e)) required)	Examiner Name	
As the below named inventor(s), I/we declare that: This declaration is directed to: The attached application, or Application No	of the subject matter which bove-identified application atent and Trademark Office 1.56, including for continu	, including the claims, as
International filing date of the continuation-in-part application All statements made herein of my/own knowledge are true, all believed to be true, and further that these statements were made the like are punishable by fine or imprisonment, or both, under the application or any patent issuing thereon. Full Name(s) of Inventors	statements made herein on	on and the national or PCT information and belief are willful false statements and
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International filing date of the continuation-in-part application All statements made herein of my/own knowledge are true, all believed to be true, and further that these statements were made the like are punishable by fine or imprisonment, or both, under the application or any patent issuing thereon. Full Name(s) of Inventors Inventor One: Örn Almarsson Signature: Inventor Two: Magali Bourghol Hickey	statements made herein on the with the knowledge that we 18 U.S.C. § 1001, and ma	on and the national or PCT information and belief are willful false statements and
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Page 2 of 2

CLARATION (37 CFR §1.63) FOR UTILITY OR	Attorney Dock t Number	Pr TPI-350C1
DESIGN PATENT APPLICATION USING AN	First Named Inventor	Örn Almarsson
APPLICATION DATA SHEET (37 C.F.R. § 1.76)	COMP	PLETE IF KNOWN
	Application Number	
Declaration Declaration	Filing Date	September 11, 2003
Submitted OR Submitted after Initial with Initial Filing (surcharge	Group Art Unit	
Filing (37 CFR 1.16 (e)) required)	Examiner Name	
This declaration is directed to an application entitled: PHARM	ACEUTICAL CO-CRYS	TAL COMPOSITIONS
As the below named inventor(s), I/we declare that:		
This declaration is directed to:		
The attached application, or Application No, filed on		
as amended on	(if applicable);	
I/we believe that I/we am/are the original and first inventor(s) or patent is sought;	of the subject matter which	is claimed and for which a
I/ we have reviewed and understand the contents of the abamended by any amendment specifically referred to above;	oove-identified application	, including the claims, as
I/we acknowledge the duty to disclose to the United States Pame/us to be material to patentability as defined in 37 CFR material information which became available between the filing International filing date of the continuation-in-part application.	1.56, including for continuing date of the prior applicati	ation-in-part applications,
All statements made herein of my/own knowledge are true, all believed to be true, and further that these statements were made the like are punishable by fine or imprisonment, or both, under the application or any patent issuing thereon.	e with the knowledge that v	willful false statements and
Full Name(s) of Inventors		· · · · · · · · · · · · · · · · · · ·
Inventor Five: Brain Moulton	Citizen of: US	
Signature:		
	Citizen of: US	
Inventor Six: Nair Rodriguez-Hornedo		
Inventor Six: Nair Rodriguez-Hornedo Signature:		
	Citizen of:	

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Approved for use through 10/31/2002. OMB 0651-0035 U.S. Patent and Trademark Office: U.S. DEARTMENT OF COMMERCE

September 11, 2003

Pharmaceutical Co-Crystal Compositio

Orn Almarsson

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number **Application Number**

First Named Inventor

Filing Date

Title

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Name	Örn Almarss	on						
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NOTE: Signatures	of all the inventor	s or assignees of rec	ord of the entire interest	or their repres	entative(s) are requi	ired. Su	ıbmit multiple	

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		Application Number	0 = 14 2002
		Filing Date First Named Inventor	September 11, 2003
		Title	Orn Almarsson Pharmaceutical Co-Crystal Compos
POWER	OF ATTORNEY OR	Group Art Unit	Phaimaceutical Co-Crystal Compos
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NOTE. Signatures of all the inv	entors or assignees or record or the entire inter-	est or their representative(s) are req	uired. Submit multiple

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		Application Number	
		Filing Date	September 11, 2003
		First Named Inventor	Örn Almarsson
POV	NER OF ATTORNEY OR	Title	Pharmaceutical Co-Crystal Compos
	HORIZATION OF AGENT	Group Art Unit Examiner Name	
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Application Number

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September 11, 2003

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Assign	ee of record of	f the entire interest. See 37 CFR 3	3 71	i
		CFR 3.73(b) is enclosed. (Form P		
		SIGNATURE of Applica		ord
Name	Nair Rodrigu	ez-Hornedo		
Signature	ļ			
Date				1
NOTE: Signatures		s or assignees of record of the entire interes	st or their representative(s) are	required. Submit multiple
forms if more than				

Gorms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria, VA 22313.

PTO/SB/81	(02-01)
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			Applie	cation Number	
			Filing		September 11, 2003
				Named Inventor	Örn Almarsson
P	OWER OF	F ATTORNEY OR	Title	o Art Unit	Pharmaceutical Co-Crystal Compositi
Δ1	ITHORIZA	ATION OF AGENT		iner Name	unknown
Α.		ANON OF ACENT		ney Docket Number	TPI-350C1
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Assign		the entire interest. See 37 CFR 3 CFR 3.73(b) is enclosed. (Form P1		9 6).	
		SIGNATURE of Applica			
Name	Michael J. Za		IL OF A	saidines of Vacolo	
Signature					
Date					
NOTE: Signatures	of all the inventor	s or assignees of record of the entire interesi	or their r	epresentative(s) are requir	red. Submit multiple
Total of	one signature is re	equired, see below.			

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria, VA 22313.

Docket No. TPI-350C1

Application Information

Application Type:: Regular

Subject Matter:: Utility

Suggested Classification:: None

Suggested Group Art Unit:: None

CD-ROMor CD-R?:: None

Number of CD disks:: None

Number of copies of CDs:: None

Sequence submission?:: None

Computer Readable Form?:: No

Number of Copies of CRF:: None

Title:: Pharmaceutical Co-Crystal Compositions

Attorney Docket Number:: TPI-350C1

Request for Early Publication:: No

Request for Non-Publication:: No

Suggested Drawing Figure:: None

Total Drawing Sheets:: 66

Small Entity?:: Yes

Petition included?:: No

Petition Type:: N/A

Secrecy Order in Parent Appl.?:: No

Docket No. TPI-350C1

Applicant Information

Applicant Authority Type:: Inventor

Primary Citizenship Country:: Iceland

Status:: Unknown

Inventor One Given Name:: Örn

Family Name:: Almarsson

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State or Province of Residence:: MA

Country of Residence:: US

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City of Mailing Address:: Shrewsbury

State or Province of mailing address:: MA

Country of Mailing Address:: US

Postal or Zip Code of Mailing Address:: 01545

Applicant Two Authority Type:: Inventor

Primary Citizenship Country:: US

Status:: Unknown

Inventor Two Given Name:: Magali

Family Name:: Bourghol Hickey

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State or Province of Residence:: MA

Country of Residence:: US

Street of Mailing Address:: 342 Malden Street

City of Mailing Address:: Medford

State or Province of mailing address:: MA

Country of Mailing Address:: US

Postal or Zip Code of Mailing Address:: 02155

Docket No. TPI-350C1

Applicant Information

Applicant Three Authority Type::

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Primary Citizenship Country::

US

Status::

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Inventor Three Given Name::

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Family Name::

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State or Province of Residence::

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Street of Mailing Address::

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City of Mailing Address::

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State or Province of mailing address::

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Country of Mailing Address::

US

Postal or Zip Code of Mailing Address::

01701

Applicant Four Authority Type::

Inventor

Primary Citizenship Country::

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Status::

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Inventor Four Given Name::

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Family Name::

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State or Province of Residence::

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Country of Residence::

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Street of Mailing Address:: City of Mailing Address::

Tampa

State or Province of mailing address::

FL

Country of Mailing Address::

US

Postal or Zip Code of Mailing Address::

33620

Docket No. TPI-350C1

Applicant Information

Applicant Five Authority Type:: Inventor

Primary Citizenship Country:: US

Status:: Unknown

Inventor Five Given Name:: Brian

Family Name:: Moulton

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State or Province of Residence:: FL

Country of Residence:: US

Street of Mailing Address:: 13455 Century Cove Dr. #325

City of Mailing Address:: Temple Terrace

State or Province of mailing address:: FL

Country of Mailing Address:: US

Postal or Zip Code of Mailing Address:: 33637

Applicant Six Authority Type:: Inventor

Primary Citizenship Country:: US

Status:: Unknown

Inventor Six Given Name:: Nair

Family Name:: Rodriguez-Hornedo

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State or Province of Residence:: MI

Country of Residence:: US

Street of Mailing Address:: 1690 Northbrook Dr.

City of Mailing Address:: Ann Arbor

State or Province of mailing address:: MI

Country of Mailing Address:: US

Postal or Zip Code of Mailing Address:: 48103

Docket No. TPI-350C1

Representative Information

Representative Customer Number::

000023557

Representative Designation::

Registration Number::

Representative Name::

Primary

45,332

Frank C. Eisenschenk, Ph.D.

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Telephone Number One::

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Telephone Number Two::

Fax Number::

(352) 372-5800

Electronic Mail Address::

fce@slspatents.com

Docket No. TPI-350C1

Domestic Priority Information

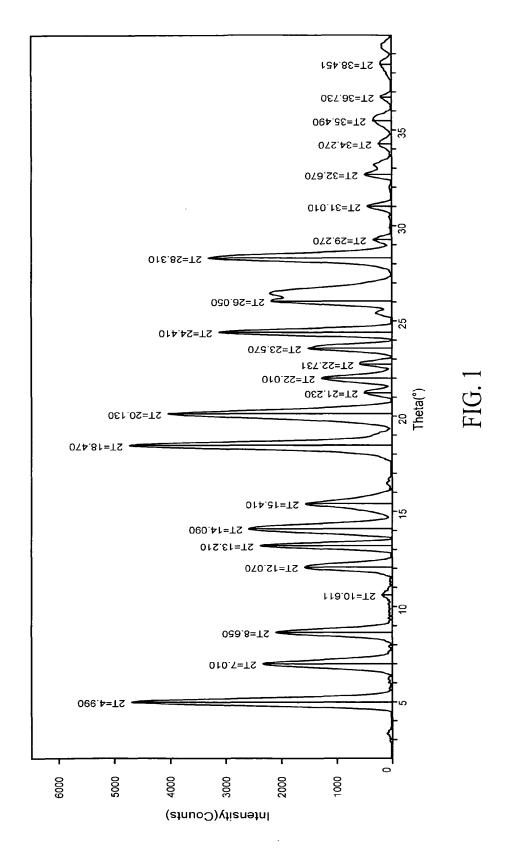
. . .

Each of the applications listed in this domestic priority section are hereby incorporated by reference into this patent application in their entireties (including all figures, tables, and formulae).

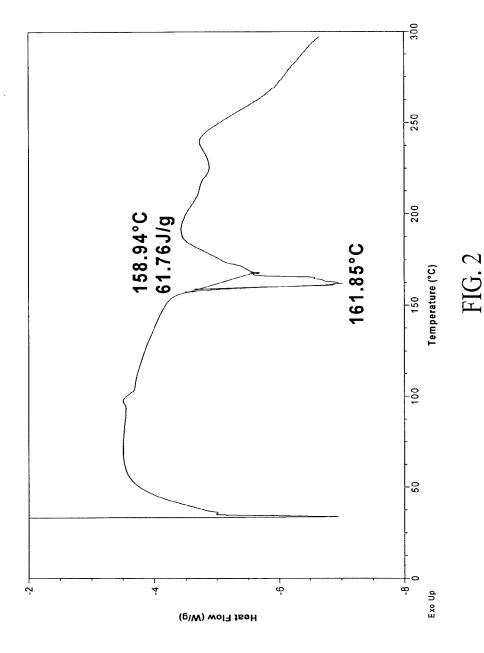
Application::	Continuity Type::	Parent Application::	Parent Filing Date::
This application is a	Continuation-In-Part of	PCT US03/xxxxx	September 4, 2003
which is a	Continuation-In-Part of	10/378,956	March 3, 2003
which claims the benefit of		60/360,768	March 1, 2002
Said		PCT US03/xxxxx	September 4, 2003
Also claims the benefit of		60/451,213	February 28, 2003
And		60/463,962	April 18, 2003
And		60/487,064	July 11, 2003
This application is also a	Continuation-In-Part of	10/637,829	August 8, 2003
which is a	Divisional of	10/295,995	November 18, 2002
which is a	Continuation of	10/232,589	September 3, 2002
which claims benefit of		60/406,974	August 30, 2002
And		60/380,288	May 15, 2002
And		60/356,764	February 15, 2002
This application is also a	Continuation-In-Part of	10/449,307	May 30, 2003
which claims the benefit of		60/463,962	April 18, 2003
And		60/444,315	January 31, 2003
And		60/439,282	January 10, 2003
And		60/384,152	May 31, 2002
This application is also a	Continuation-In-Part of	10/601,092	June 20, 2003
This application also claims the benefit of		60/451,213	February 28, 2003
And		60/463,962	April 18, 2003
And		60/487,064	July 11, 2003

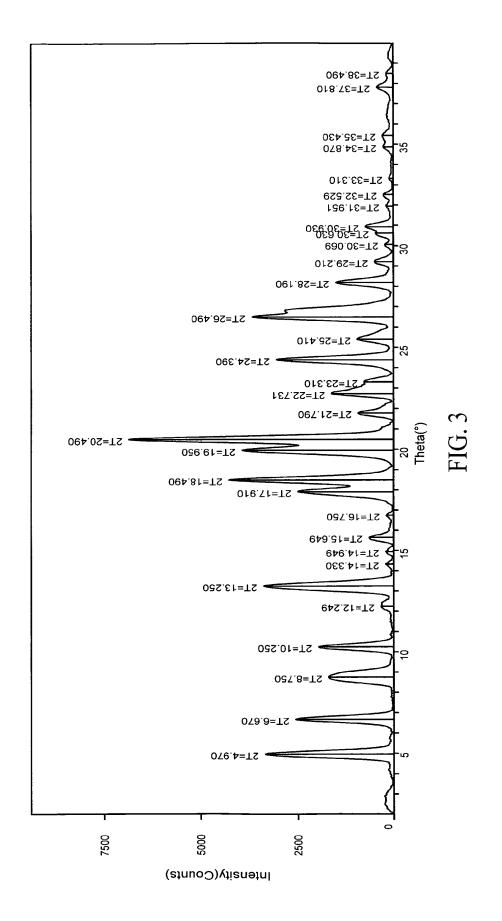
Foreign Priority Information

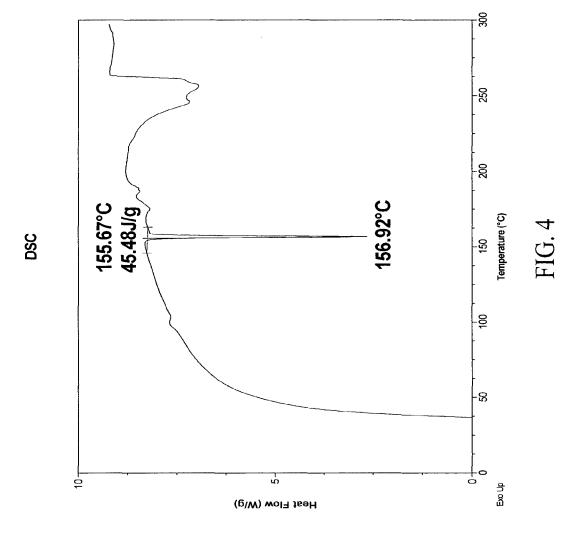
Country:: Application Number:: Filing Date:: Priority Claimed::

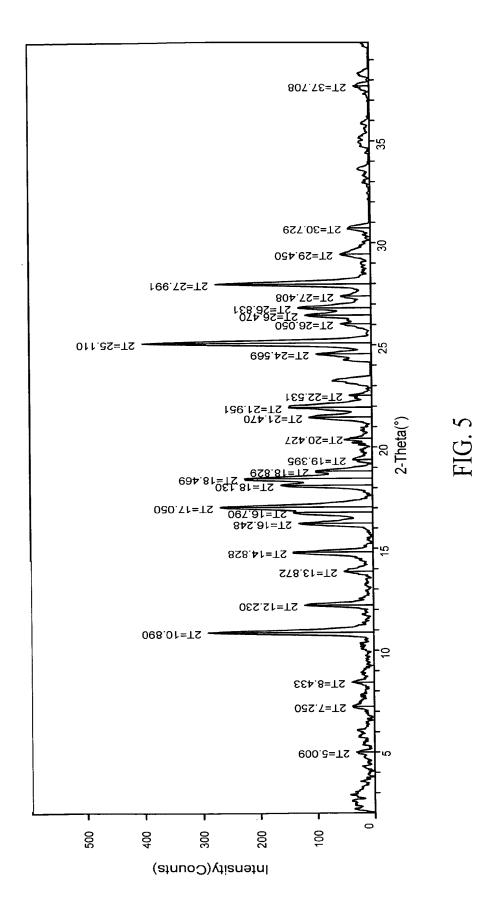












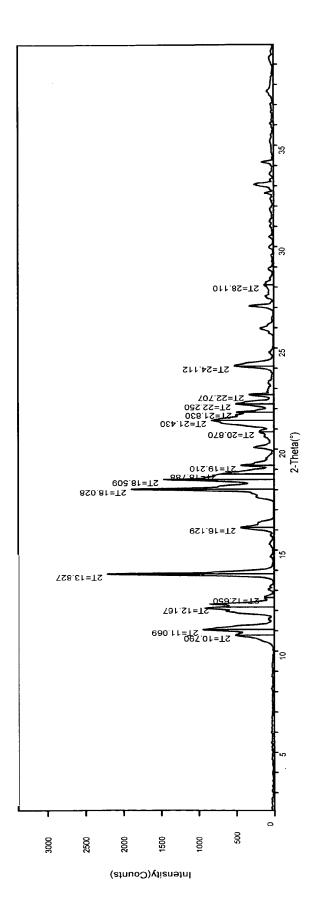
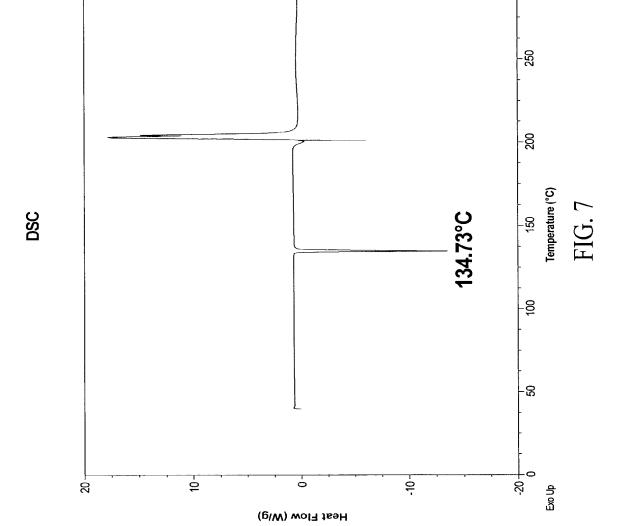
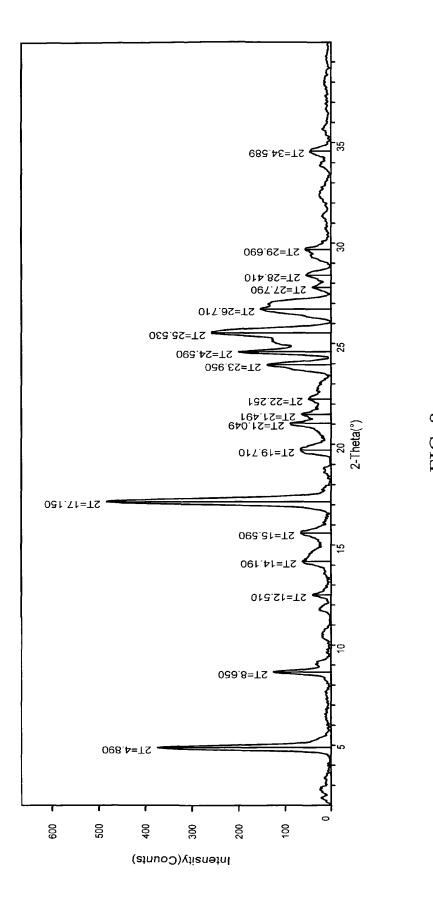
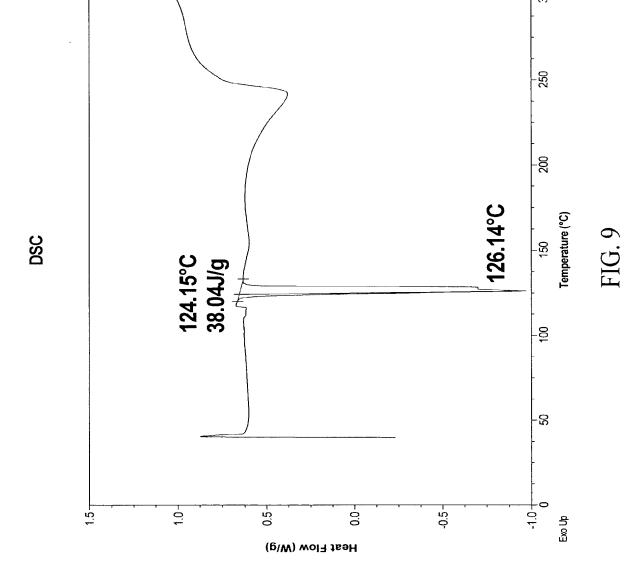
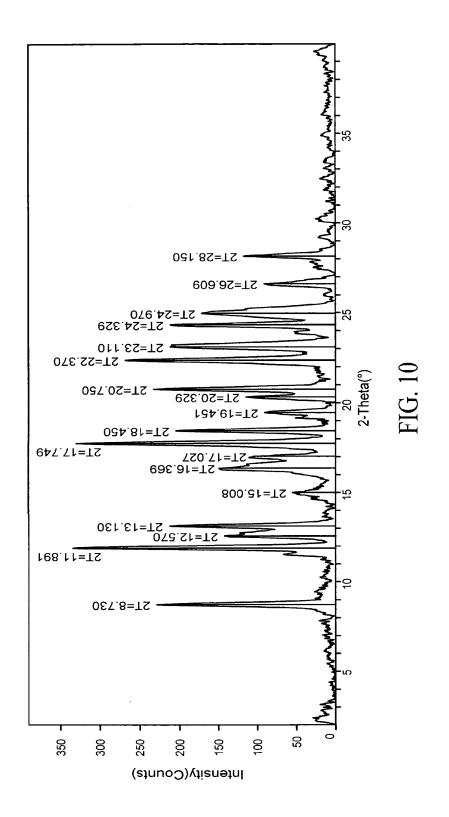


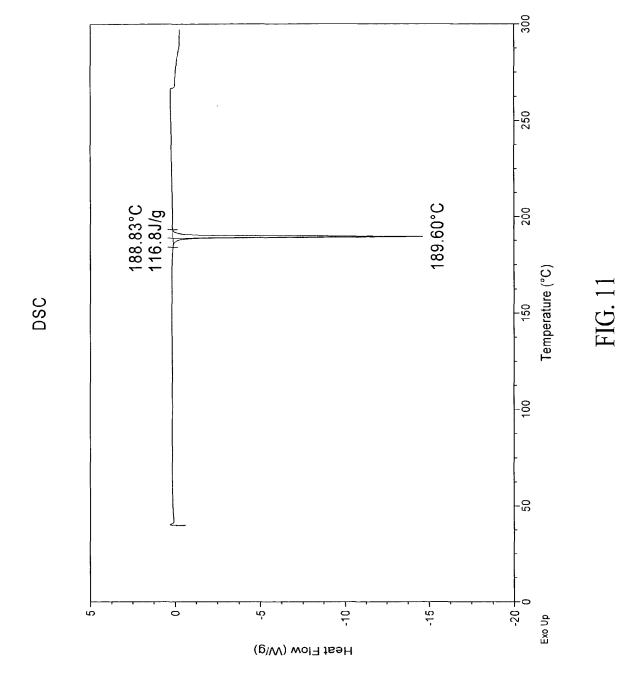
FIG. 6



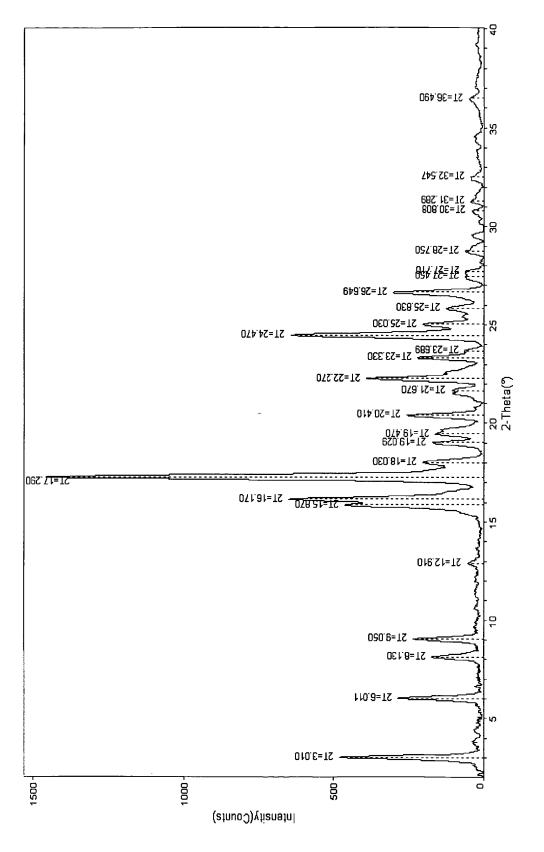


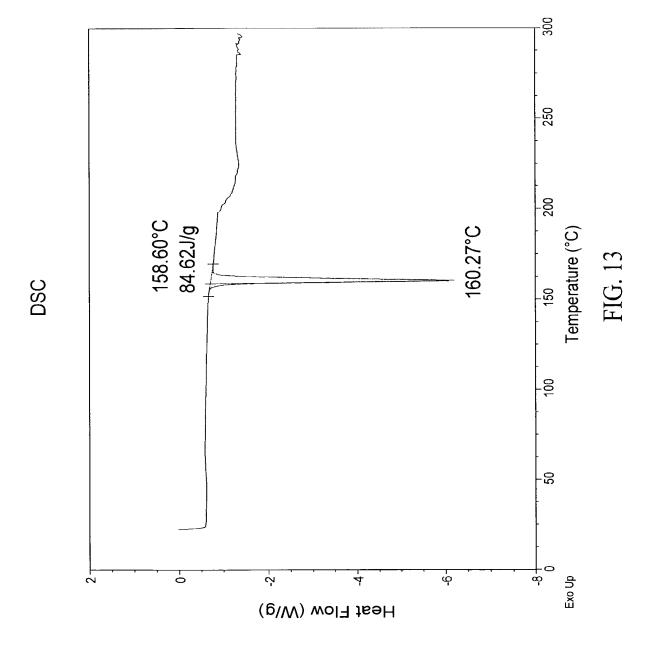


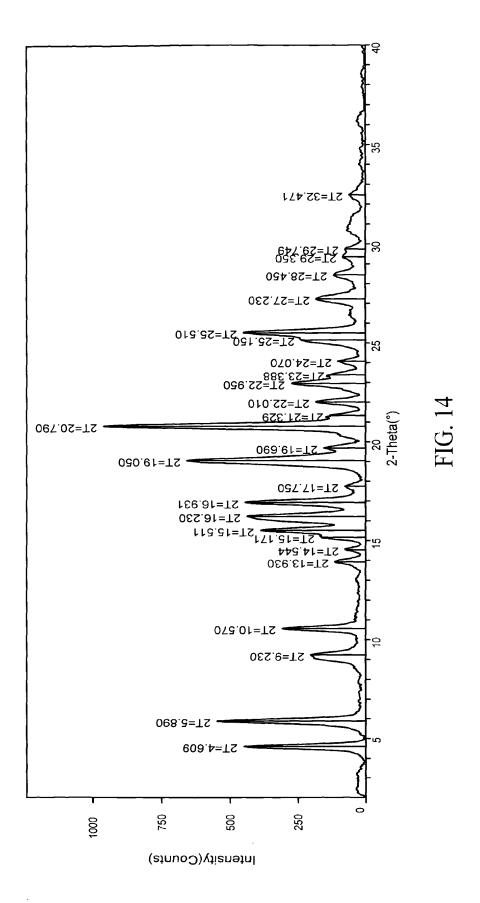


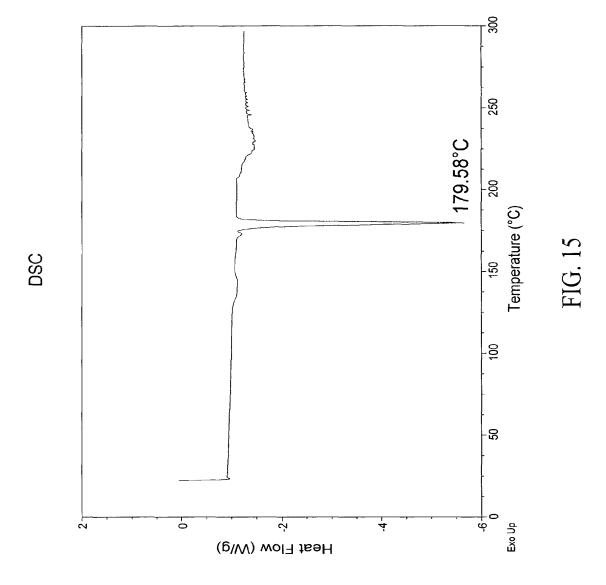


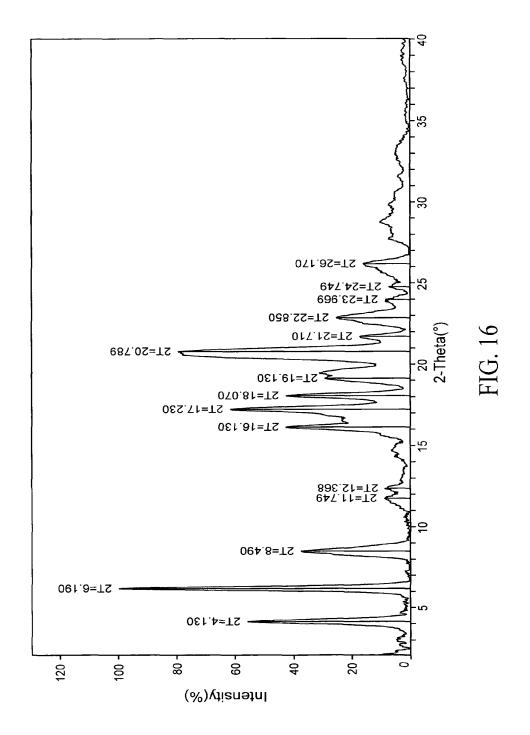


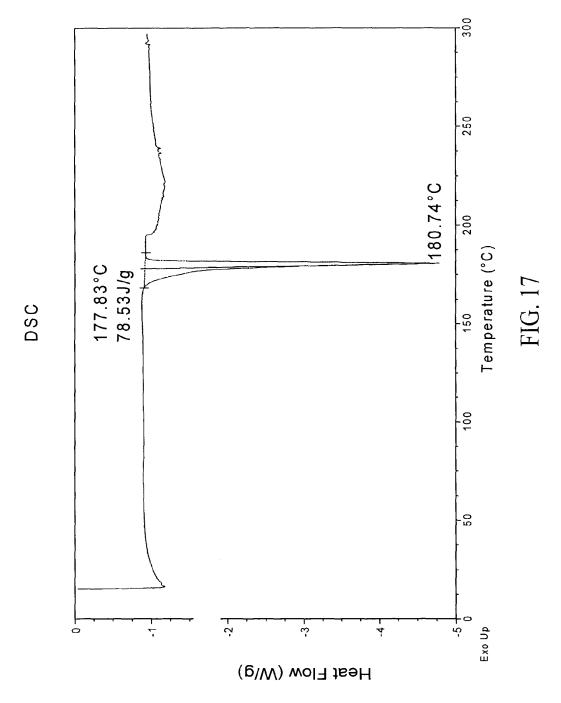


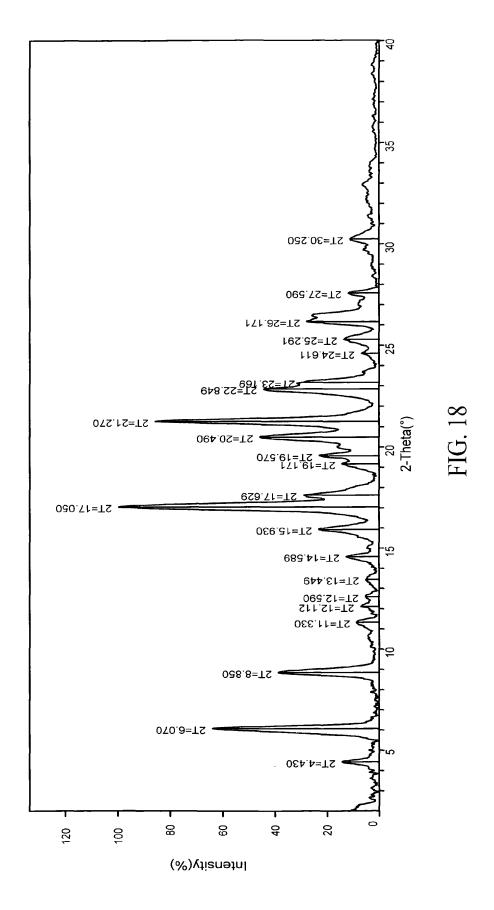




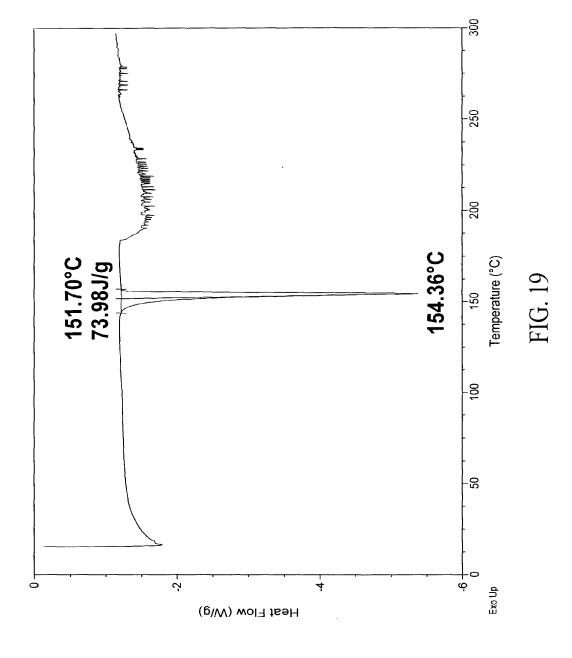


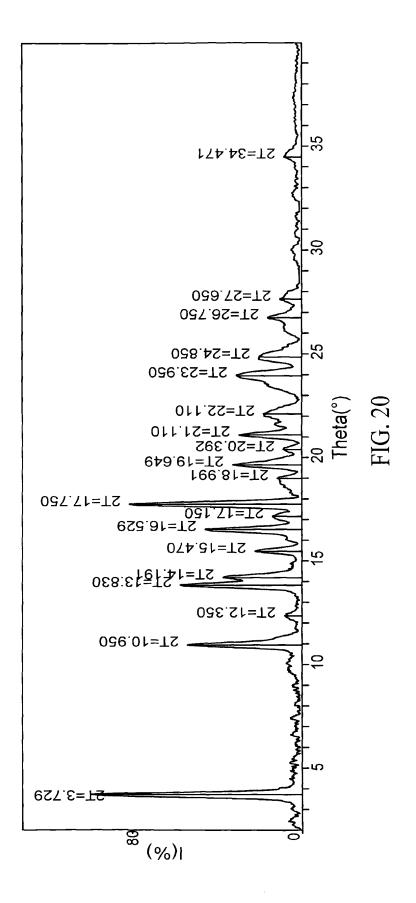


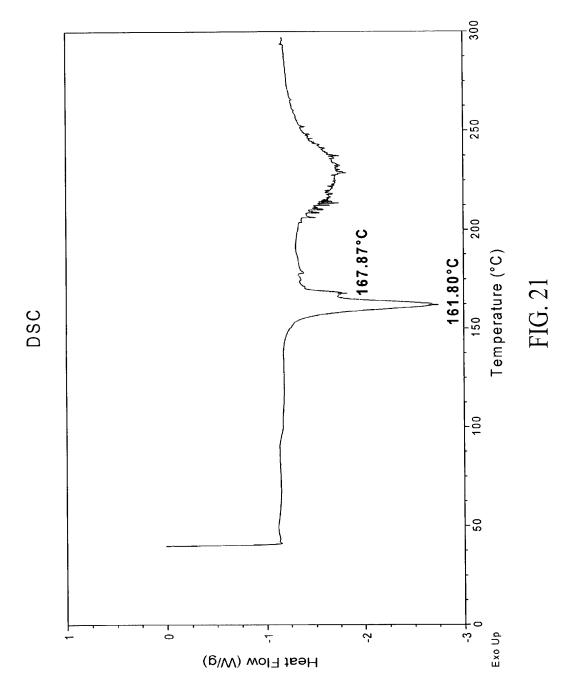


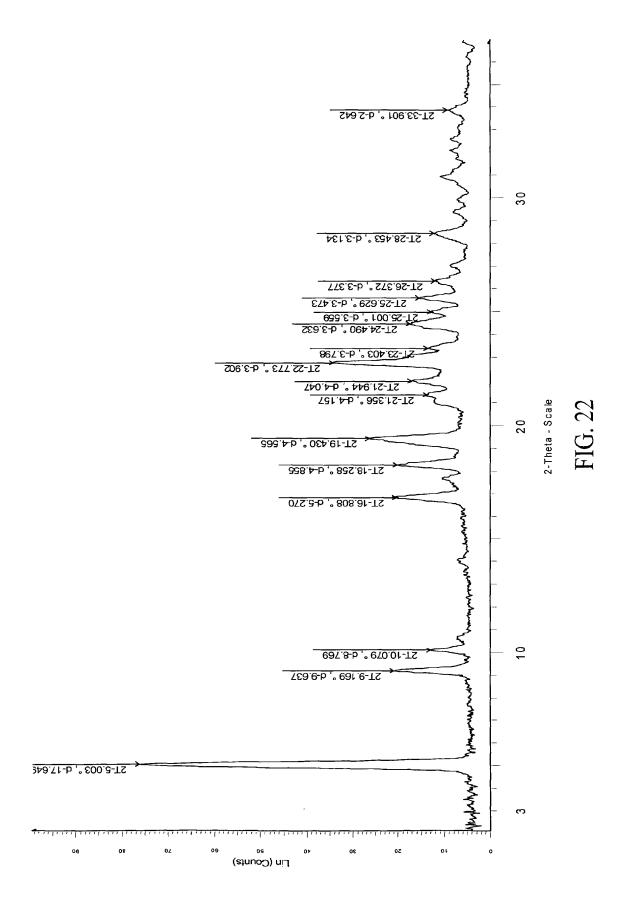


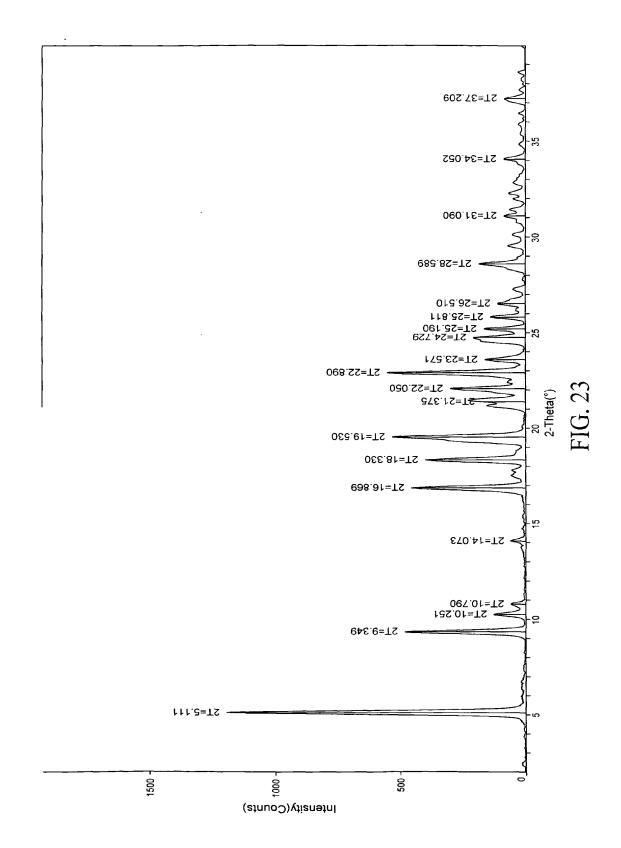


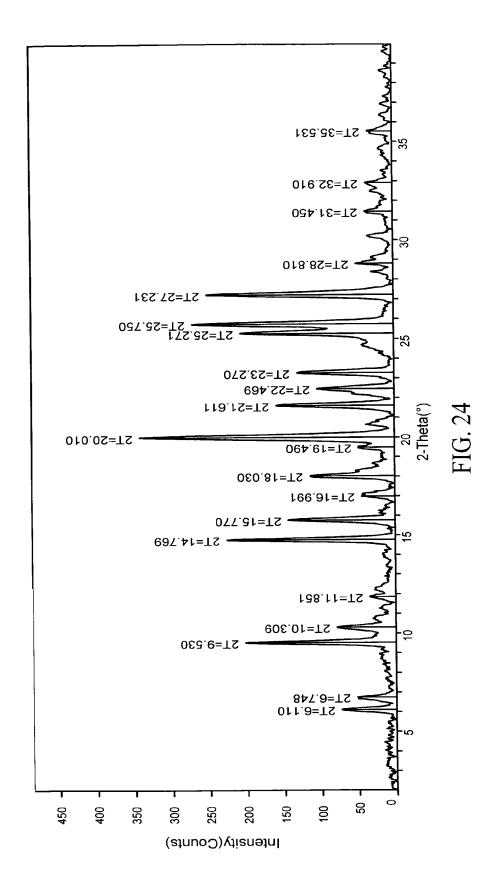


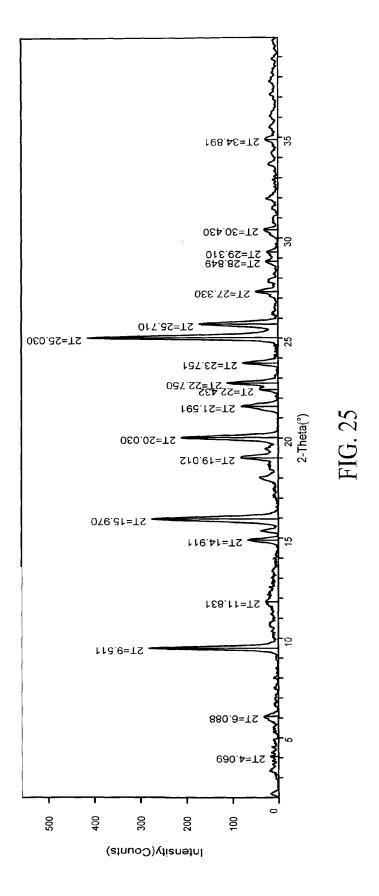


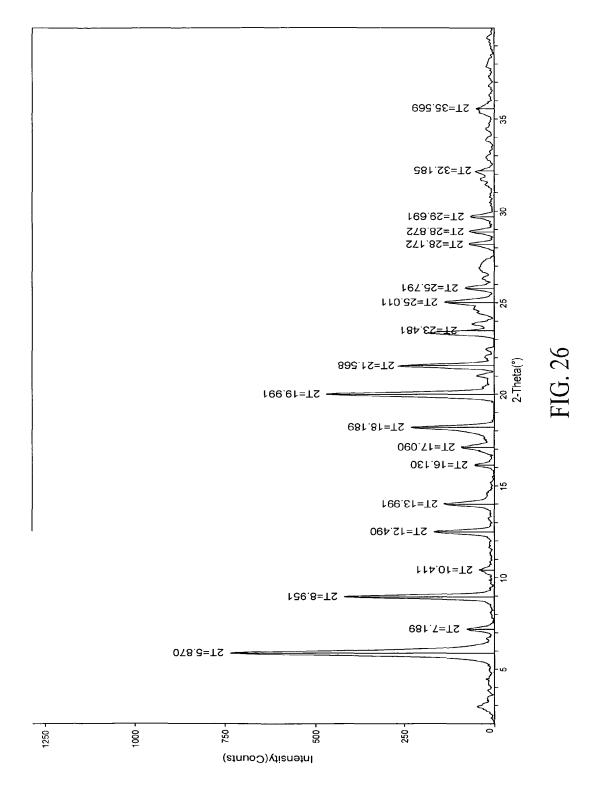


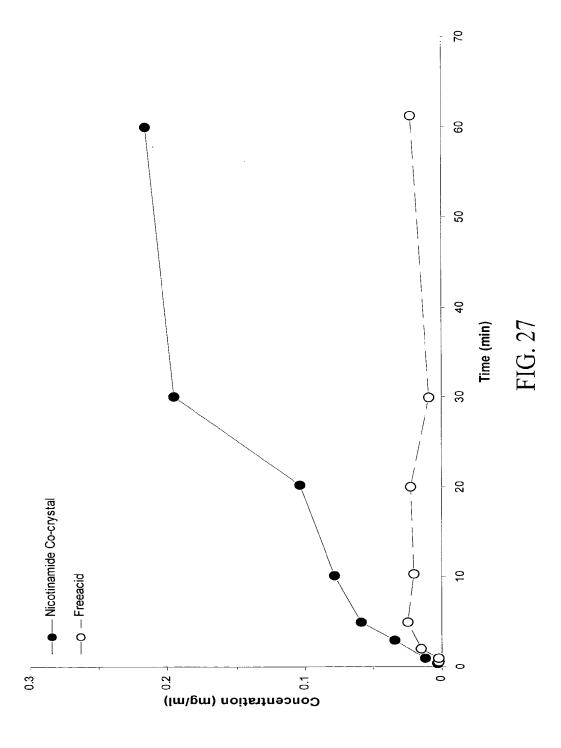












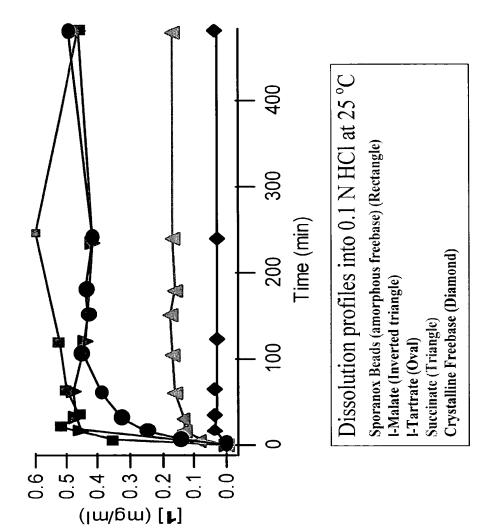
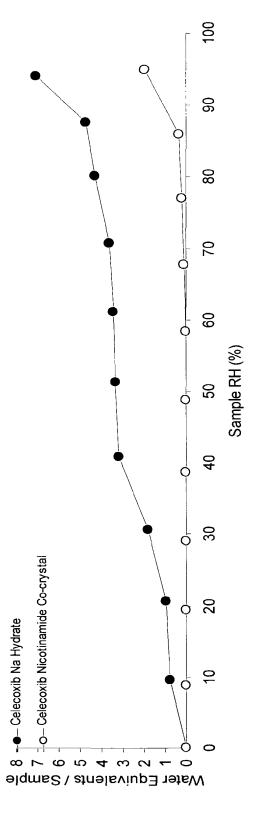
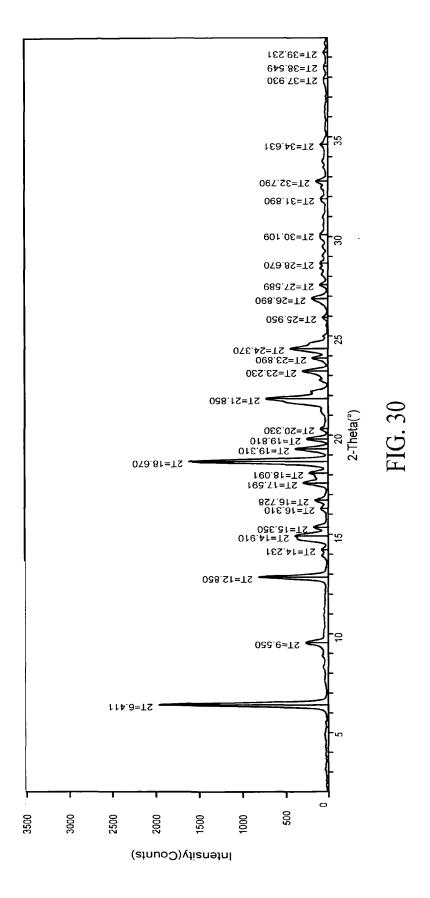
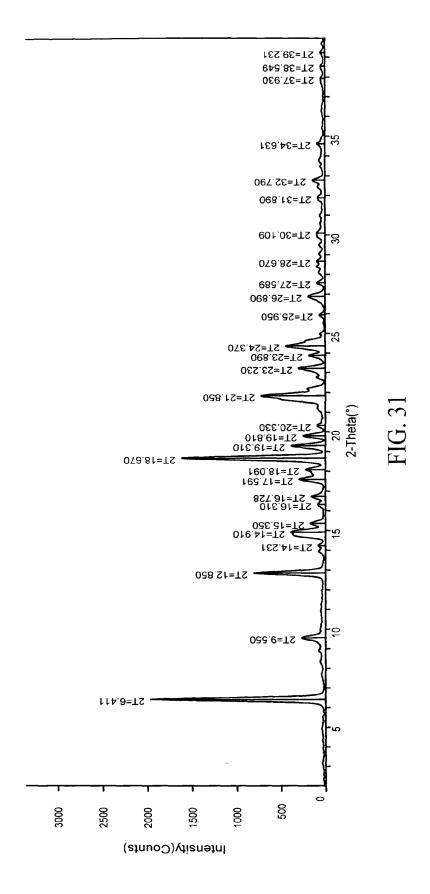
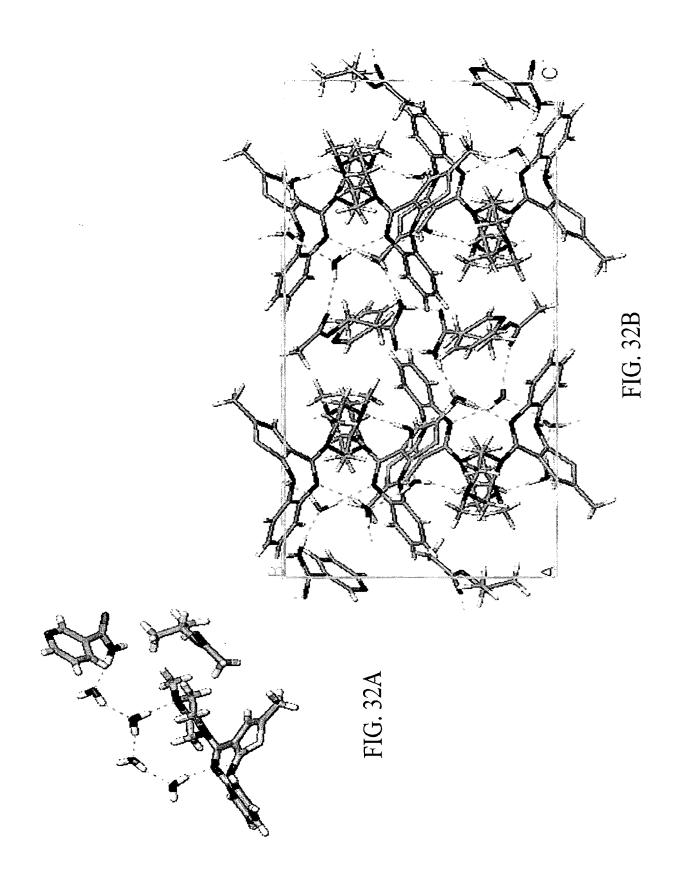


FIG. 28









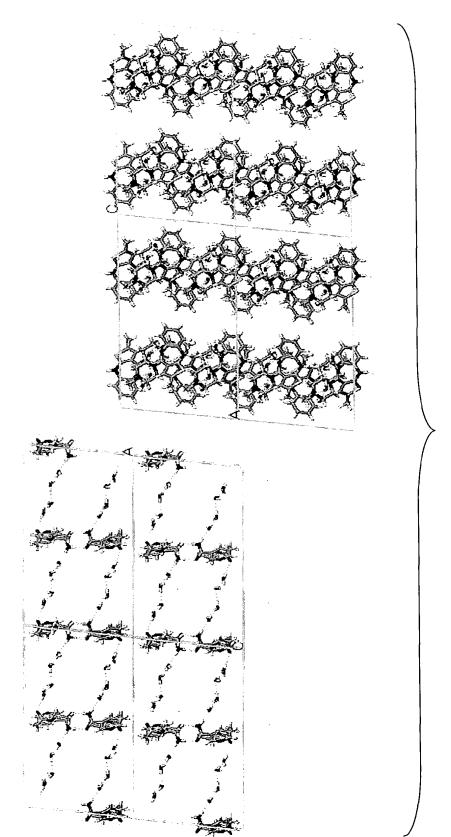


FIG. 32C

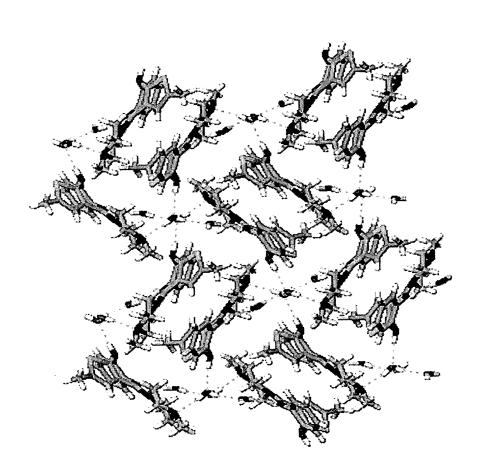
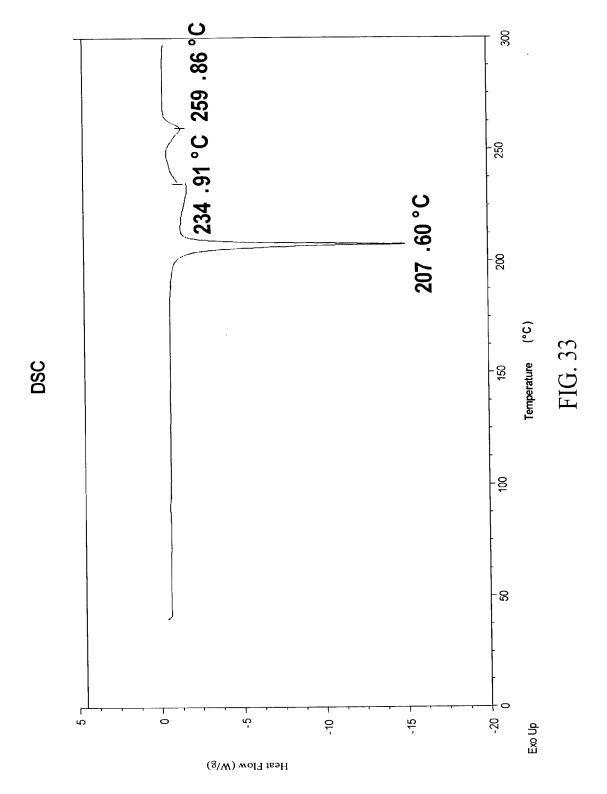
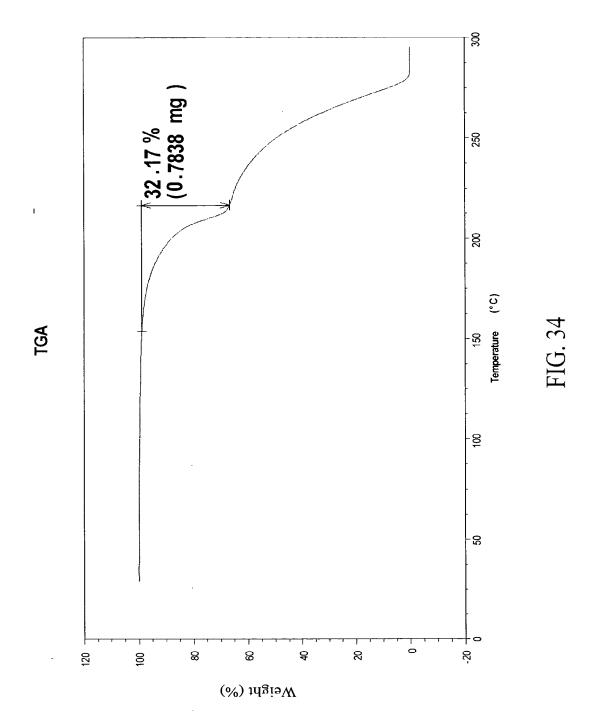


FIG. 32D





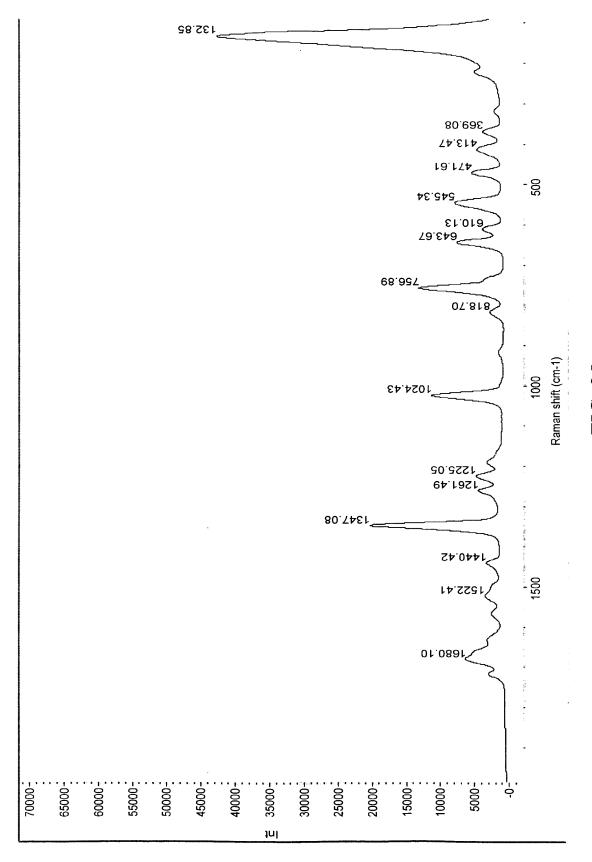
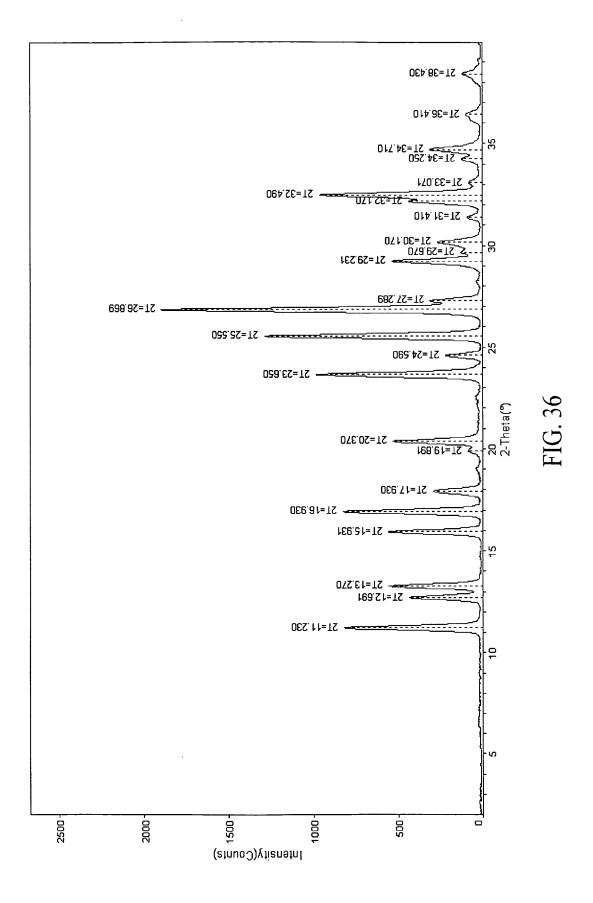
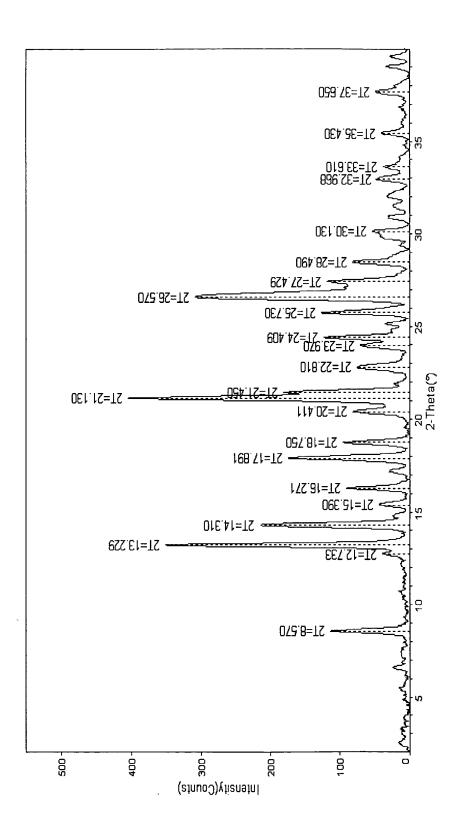
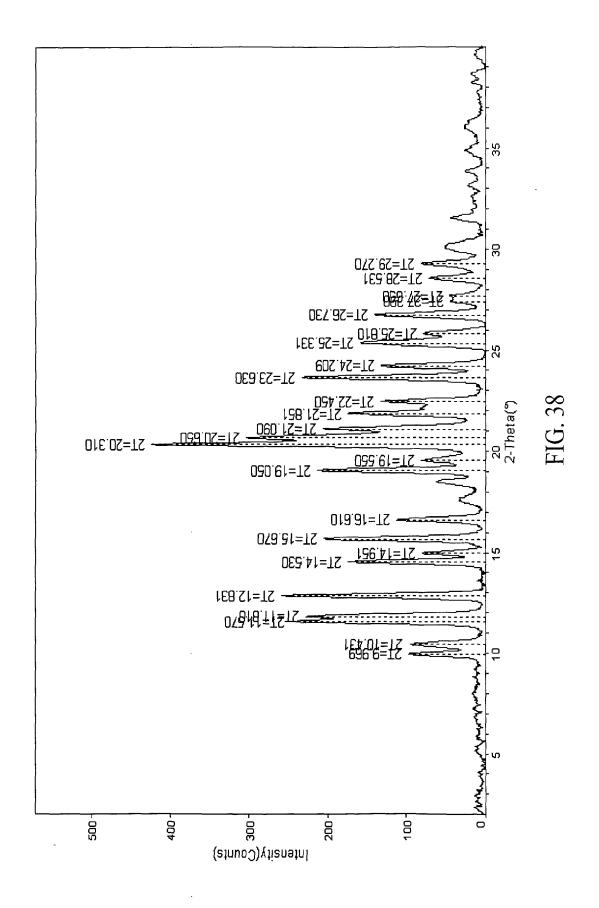


FIG. 35

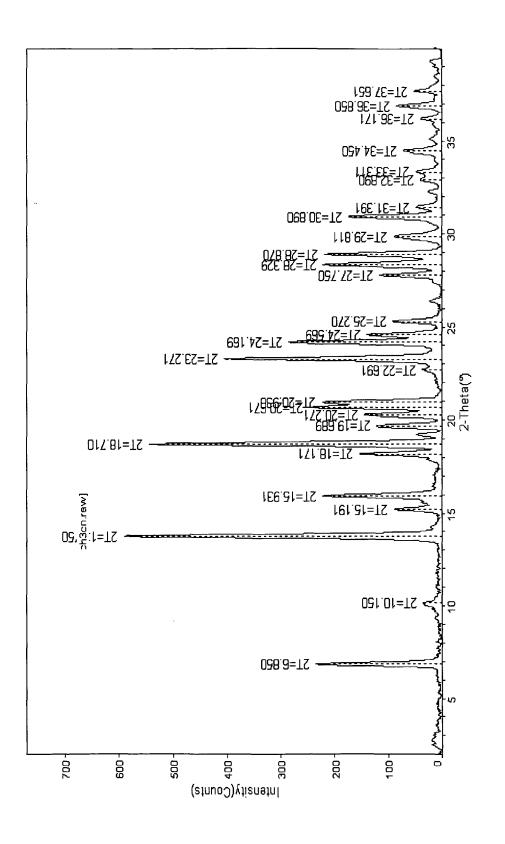


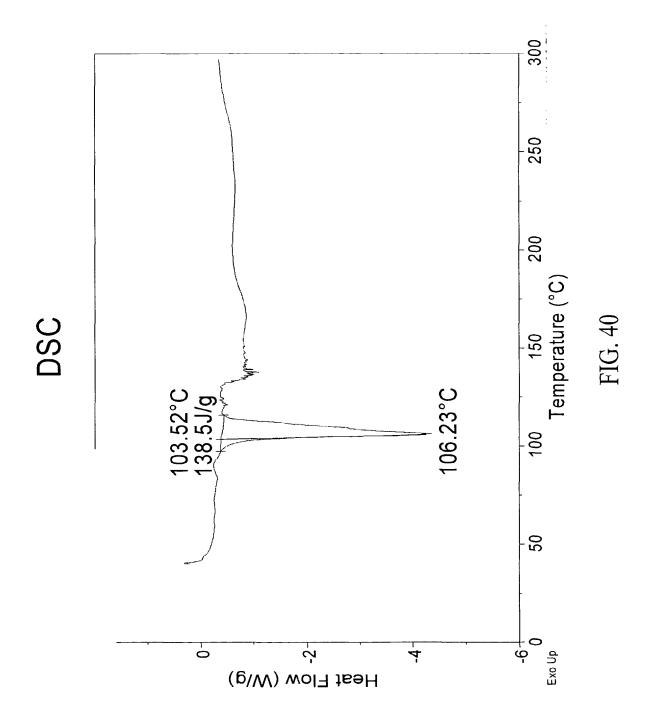


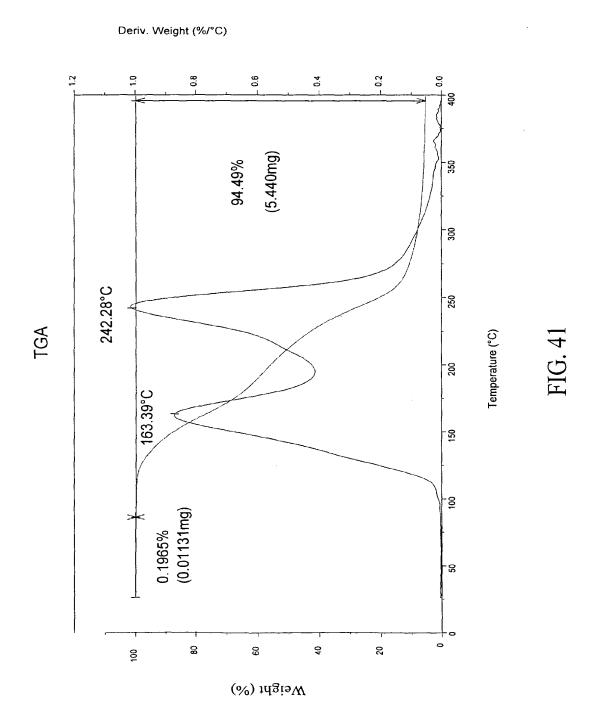


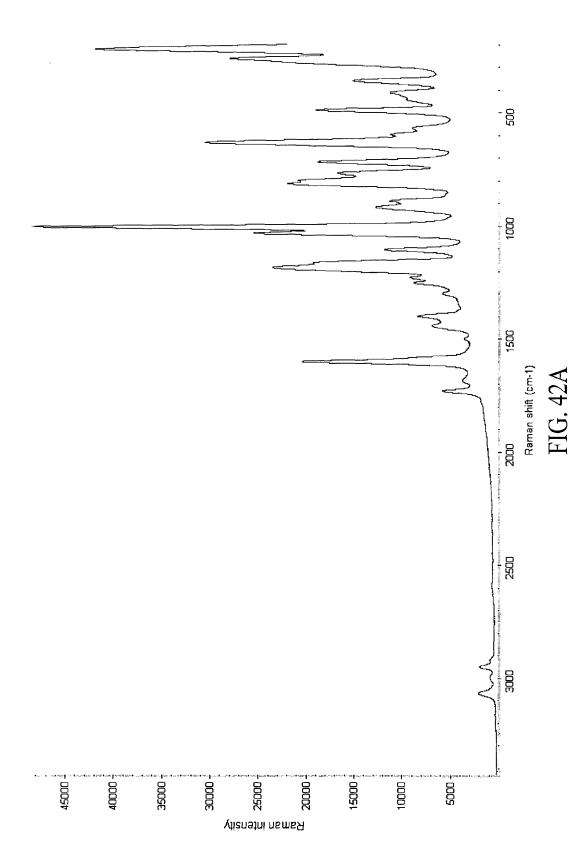












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FIG. 43

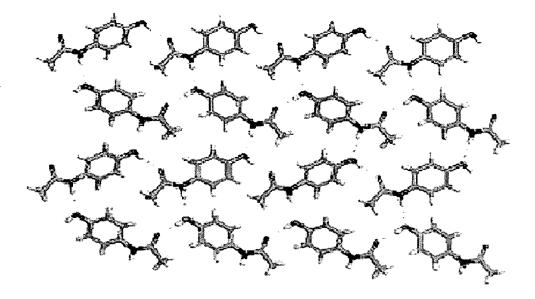


Figure 44A

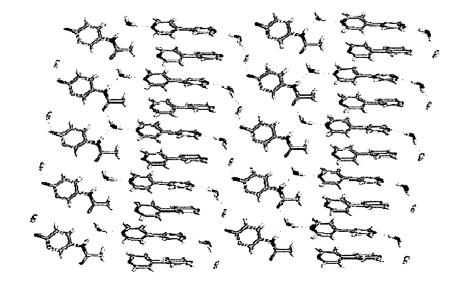


Figure 44B

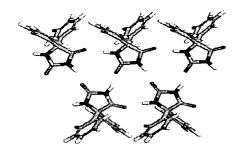


Figure 45A

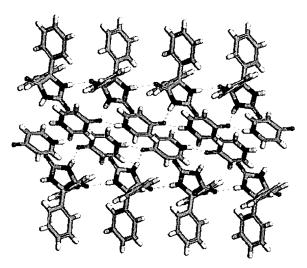


Figure 45B

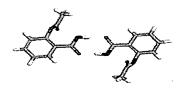


Figure 46A

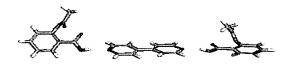


Figure 46C

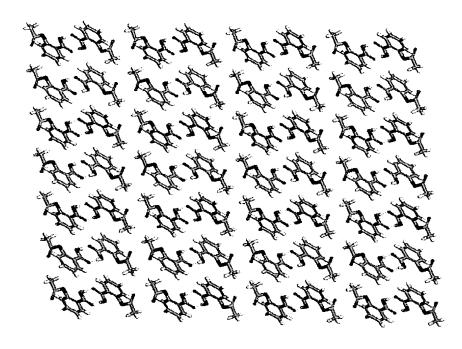


Figure 46B

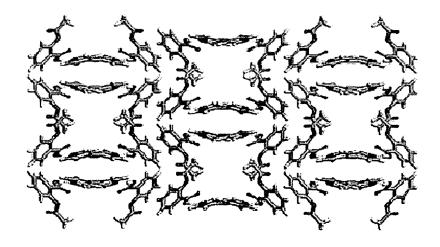
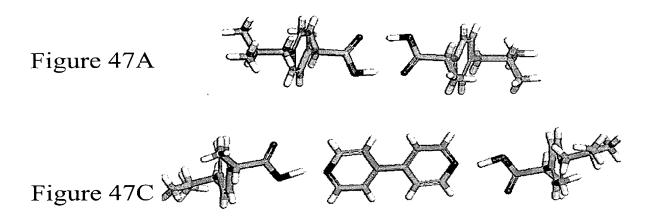


Figure 46D



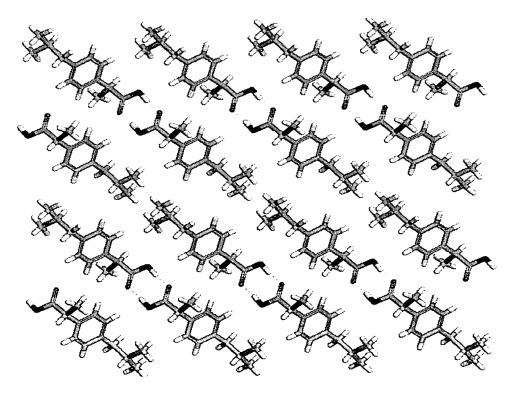


Figure 47B

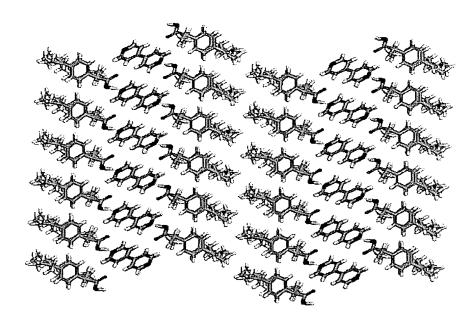
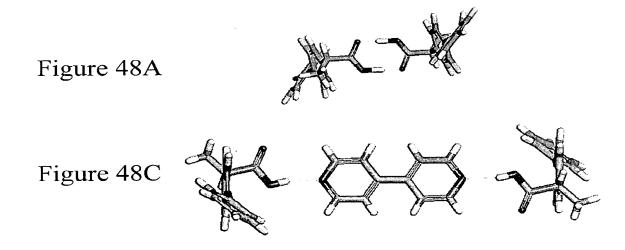


Figure 47D



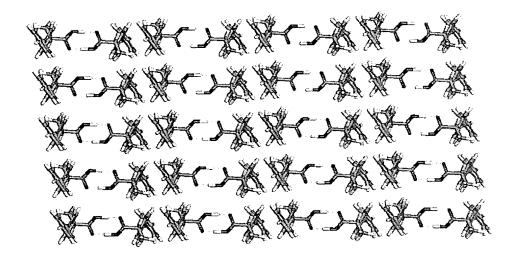


Figure 48B

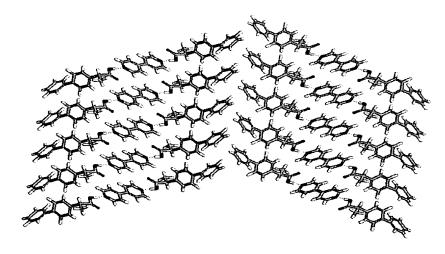


Figure 48D

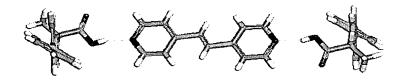


Figure 49A

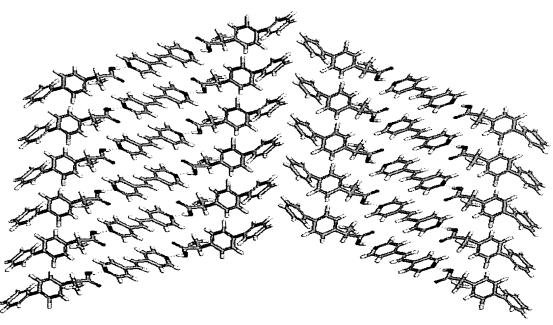


Figure 49B

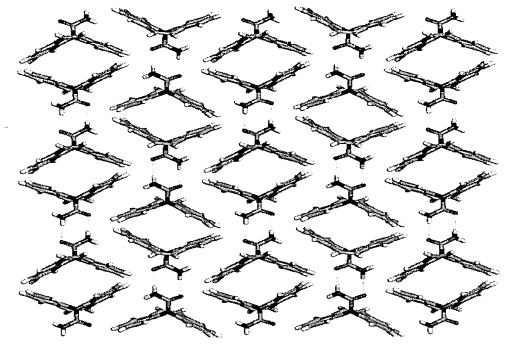


Figure 50A

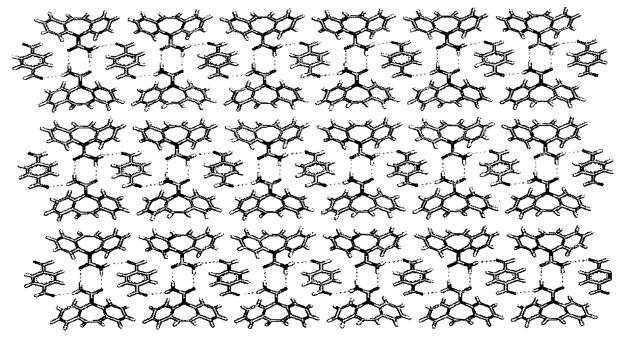


Figure 50B

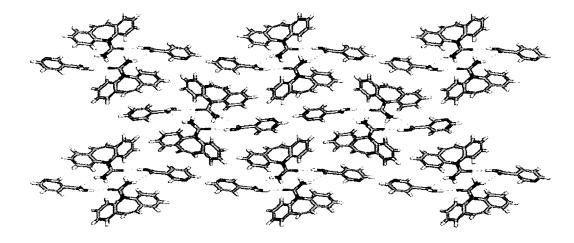


Figure 51

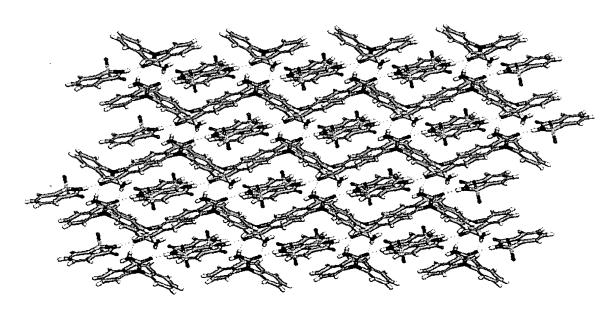


Figure 52

Figure 53A

Figure 53B

Figure 53C

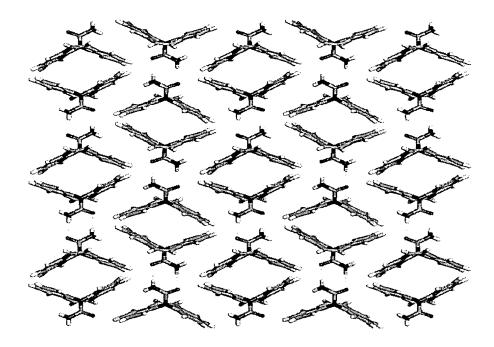


Figure 54A

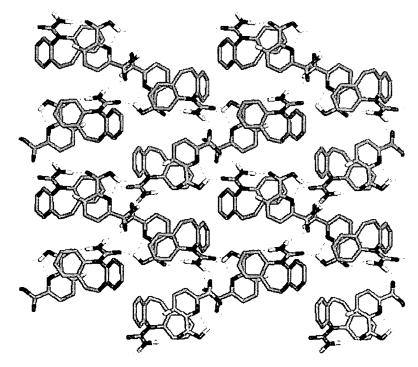


Figure 54B

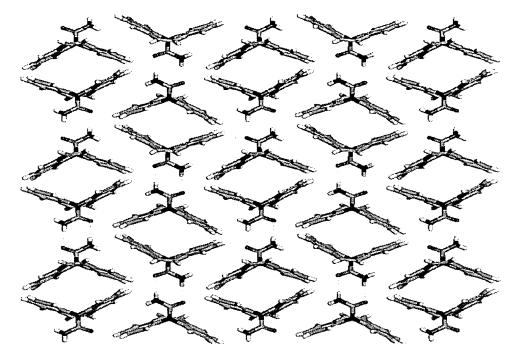


Figure 55A

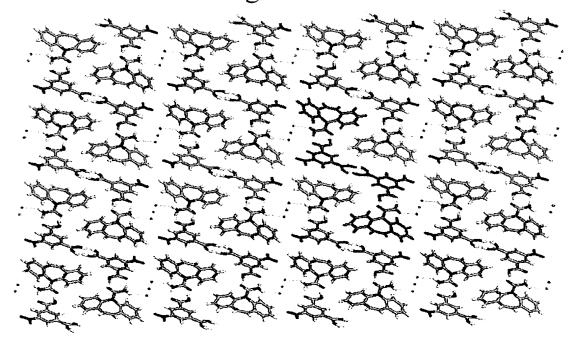


Figure 55B

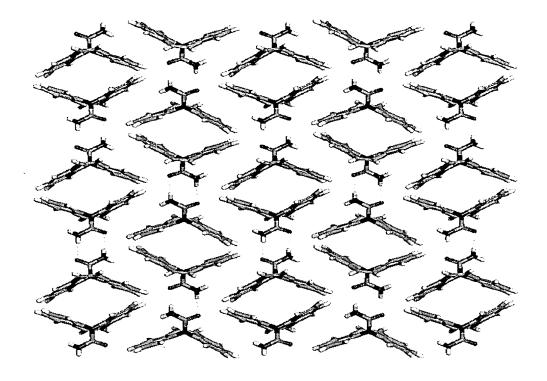


Figure 56A

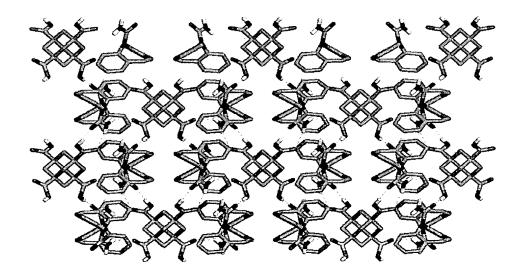


Figure 56B

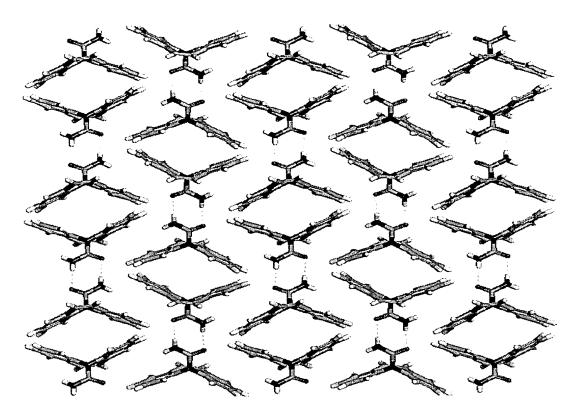


Figure 57A

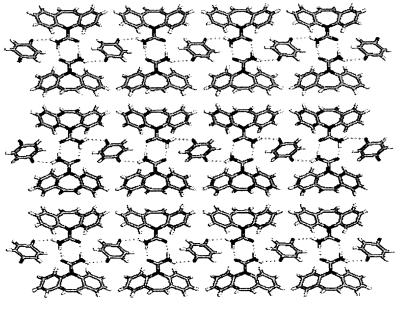


Figure 57B

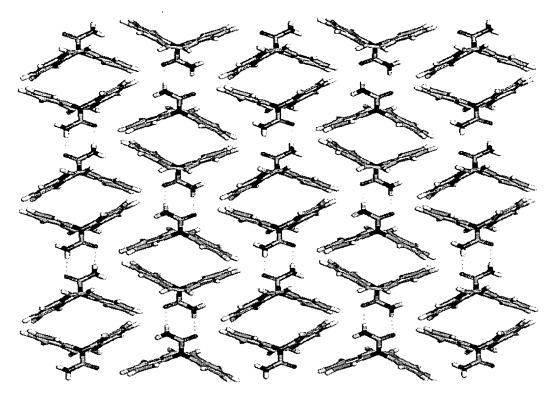


Figure 58A

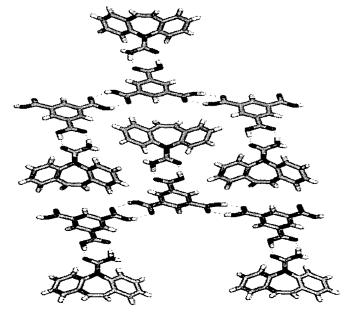


Figure 58B

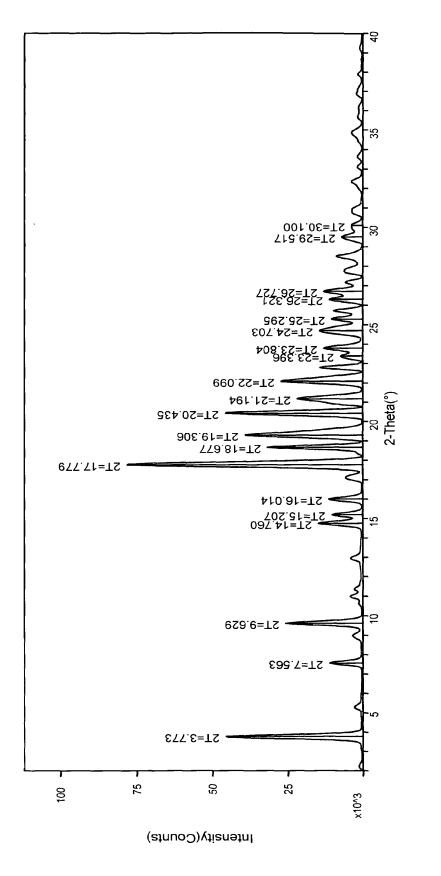
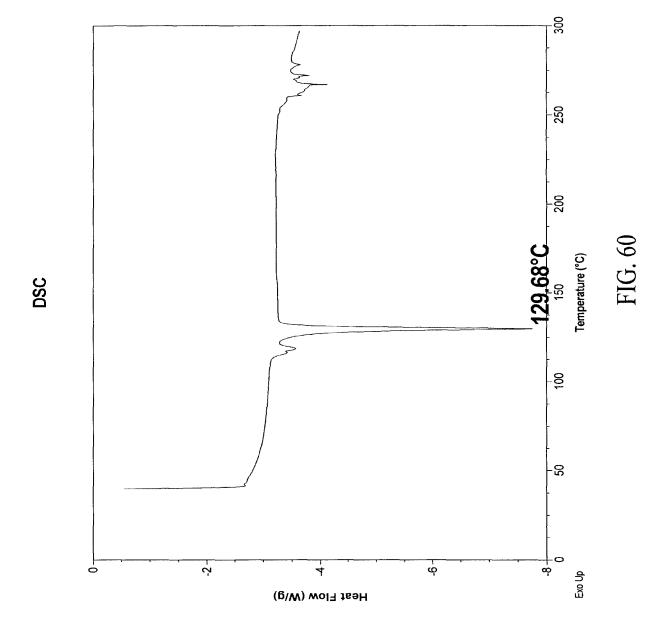
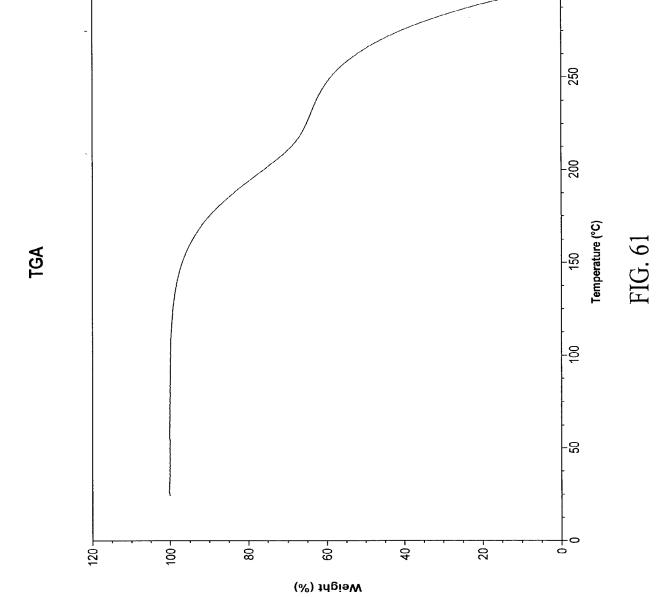
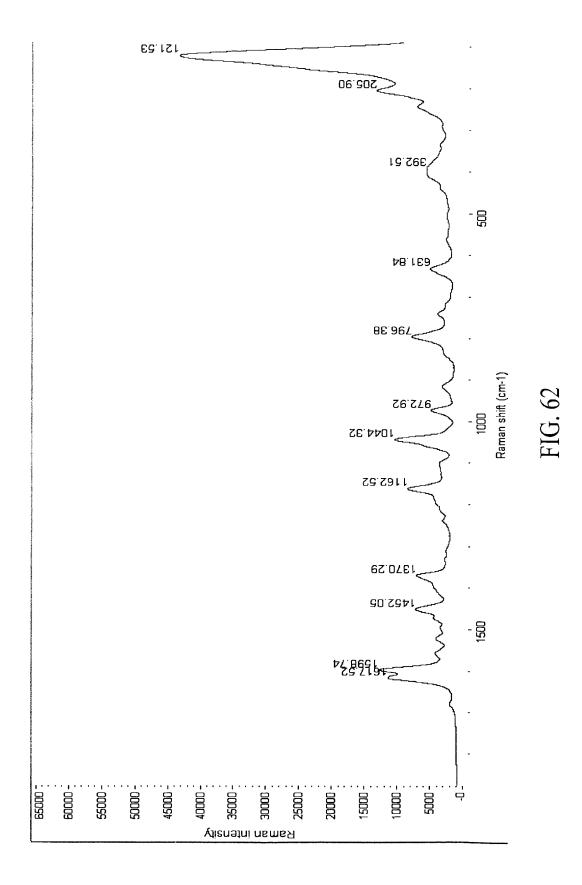


FIG. 39





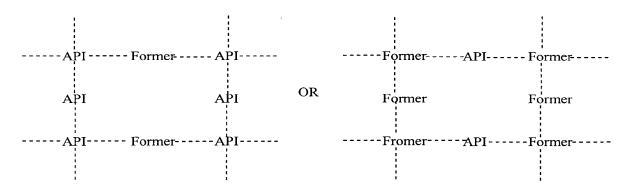


1. One-dimentional (linear) hydrogen-bonded chains:

-----APH----Former----API-----Former---------APH----Former----API-----Former---------APH-----Former-----API-----Former-----

2. Isolated rings:

3. Extended Networks:



4. Isolated triads:



FIG. 63

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Please type a plus sign (+) inside this box	PTO/SB/05 (03-01) Approved for use through 10/31/2002. OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE prespond to a collection of information unless it displays a valid OMB control number.
UTILITY	Attorney Docket No. TPI-350C1
PATENT APPLICATION	First Inventor Örn Almarsson
TRANSMITTAL	Title Pharmaceutical Co-Crystal Compositions
(Only for new nonprovisional applications under 37 CFR 1.53(b))	Express Mail Label No. EU082848285US
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents. 1. Fee Transmittal Form (e.g. PTO/SB/17) (Submit an original and a duplicate for fee processing) 2. Applicant claims small entity status.	ADDRESS TO: Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313 7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission
See 37 CFR 1.27 3. Specification [Total Pages 437] - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed Sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix	(if applicable, all necessary) a. Computer Readable Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. paper c. Statements verifying identity of above copies
Background of the Invention Brief Summary of the Invention	ACCOMPANYING APPLICATION PARTS
- Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure 4. Drawing(s) (35 U.S.C. 113) [Total Sheets 66] 5. Oath or Declaration [Total Pages 2] a. Newly executed (original or copy) (unsigned) b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 complete i. DELETION OF INVENTOR(S) Signed statement attached deleting Inventor(s) named in the prior application, 37 CFR 1.63(d)(2) and 1.33(b). 6. Application Data Sheet. See 37 CFR 1.76	 15. Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 17. Other: Cert. Of Express Mailing
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Prior application information: Examiner:	Group Art Unit:
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Inventors

Örn Almarsson, Magali Bourghol Hickey, Matthew L. Peterson, Michael J.

Zaworotko, Brian Moulton, Nair Rodriguez-Hornedo

Entitled:

Pharmaceutical Co-Crystal Compositions

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